User Manual

Falk IBEX

Falk LUX

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1 Safety instructions and maintenance

Safety instructions
The device may only be stored at temperatures of from -20°C - 60°C and be operated at temperatures of from -10°C – 60°C.
Keep your device away from extreme temperatures. The device should only be operated and stored in an atmospheric humidity of from 0% to 90%.
Do not expose your device to sudden great fluctuations in temperature. This could result in condensation collecting in the device, which could damage it. If any condensation forms, wait until the device has completely dried out.

The device is waterproof in accordance with the IPX7 standard. This means that the device is also protected against being temporarily submerged.
Caution: To ensure that the device is protected against the ingress of water, the following aspects must be followed:
Make sure that the rubber cover for the USB port on the bottom of the device is completely closed.
Also be aware that the housing cover must be correctly locked in place to prevent the ingress of water.
Note that the device must not be submerged for longer than 30 minutes in a water depth of 1 metre.

You must not place, store or leave your product in or next to heat sources, at places which have high temperatures or a high level of solar radiation, in a microwave oven or pressurised container, and you must also not expose it to any temperatures of over 60ºC (140ºF).
Use only Falk original accessories or Falk-approved adapters. The use of other components may result in malfunctions and/or serious damage.

Caution:
- This navigation device for outdoor use is merely an orientation and navigation aid which cannot be a substitute for making a sensible assessment of the situation you are in. Please in any event note the particular characteristics of the terrain and the routes you are using. Do not follow any routes or suggested routes which would entail a dangerous or illegal form of riding or would place you in a dangerous situation.
- The road traffic regulations must be complied with at all times, for example when cycling, and have priority over the routes of the navigation device.
- Never operate the navigation device while riding and do not allow yourself to be distracted by the device while riding.
- Please note that United Navigation GmbH does not accept any liability for any damage caused by the device/bracket becoming detached from the bicycle.
- The map data which is used may include inaccurate or incomplete data. You should therefore check the calculated route to see if it makes sense and choose your own alternative route if necessary.
- The navigation device is **NOT** suitable for use as a vehicle navigation system!

Disposal

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC DEVICES (TO BE APPLIED IN THE COUNTRIES OF THE EUROPEAN UNION AND OTHER EUROPEAN COUNTRIES WITH A SEPARATE COLLECTION SYSTEM FOR THESE DEVICES)

The symbol on the product or its packaging indicates that this product cannot be treated as normal household waste, but must instead be handed in at a collection point for recycling electrical and electronic devices. Your contribution to correctly disposing of this product

helps to protect the environment and the health of your fellow human beings. The environment and health are endangered by incorrect disposal. Material recycling helps to reduce the consumption of raw materials. You can obtain further information about recycling this product from your local authority, the municipal waste disposal companies or the shop in which you purchased the product.

– WEEE Reg. No. DE 19715620

Aircraft and hospitals
The use of electronic devices is prohibited in most aircraft, in many hospitals and at lots of other places. The device must not be used in such environments. Always switch your device off wherever appropriate requests are made for you to do so.

CE certificates and RoHs
This device complies with the Directives of R&TTE 1999/5/EC and the Directive 2002/95/EC OF THE EUROPEAN PARLIAMENT AND COUNCIL dated 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (ROHS).

The link to the certificates can be called up here:
http://www.falk-outdoor.com/en/service-en/certificates.html

2 Introduction

This manual describes the functions of the Falk LUX products.
Functions which do not apply to versions of products because they are not included in the standard scope of supply for the product are marked **optional**.
The chapters are based around the menu structure of the application. This means you quickly know where you need to look to find an explanation of a particular function.
If you are still not able to find something, you can search for particular terms in the **Glossary**.
The **Tips and tricks** help you to do what you want and quickly get to grips with your device.
If you have any problems using the device or something seems not to be working, the **Troubleshooting** section may be able to help. If this still does not provide you with a solution, please contact our **Service & support team** (see chapter 7).

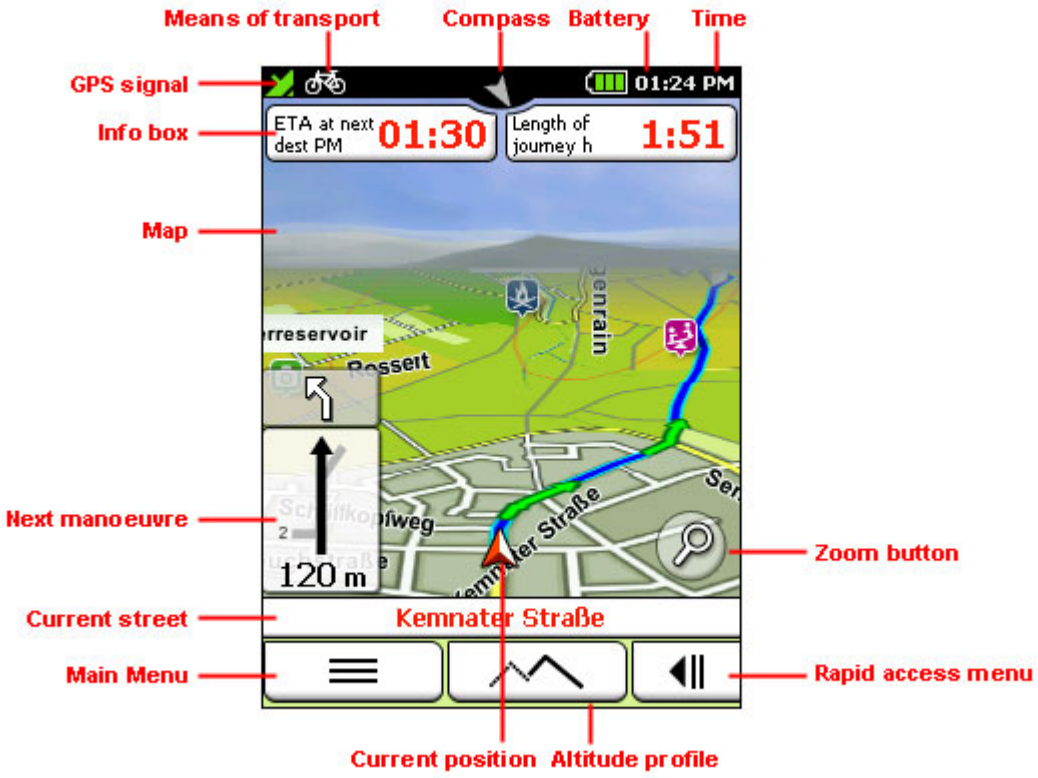
The following elements are used in this manual to make it easier to understand:

Note: Information worth knowing
Tip: Practical application aids
Caution: Warning notice to prevent any undesired effects

Important terms are marked in **bold in the text**.
All illustrations similar to actual product.

3 Outdoor mode

3.1 Navigation view



GPS signal: Indicates the status of the GPS reception.

GPS signal is not sufficiently strong to allow positioning. Signals are being received from fewer than 3 satellites.

GPS signal is sufficiently strong to allow positioning. Signals are being received from 3 satellites.

A high-quality GPS signal is being received that allows your elevation to be determined. Signals are being received from at least 4 satellites.

GPS status:
The fundamental basis for any navigation is to have sufficient coverage by satellites to allow your current location to be determined continuously with the aid of a GPS (Global Positioning System) signal. You can find out how to check the GPS status of your device in chapter 3.10.3.2.

Note: When the device is first switched on, it may take a few minutes until the GPS position is recognised. When the device is switched on subsequently, your position will be identified more quickly.

Means of transport: The symbols and tell you which means of transport you have currently selected.

Track recording symbol: During the recording of a training session, a red dot appears in the status bar.

Compass: Indicates the current compass direction.

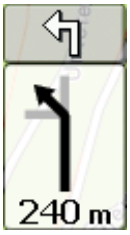
Battery: The battery symbol shows you the status of the battery.
- Capacity remaining
- Device connected to power source

Info box: Shows information about the calculated route. Tap on the box to select other information which should be displayed there. For example, you can also display the current altitude, the time or the gradient.

Map: Shows the map extract with your current position. However, you can also move the map with your finger. Using the button, which then appears at the bottom, you can return the map back to your current position.

Zoom button: Tap on the zoom button and then on the plus or minus symbol to adjust the scale of the map.

Next manoeuvre:



In the manoeuvre box you are shown, via an arrow, the next turn-off direction, other roads which lead off and the distance to your next manoeuvre. If you are on a roundabout, the other roads which lead off are also shown in addition to your turn-off arrow.
Relevant crossroads and junctions located before you get to your next turn-off point are also shown. If there are several crossroads leading off prior to your next manoeuvre, numbers at the side indicate how many crossroads you still need to pass.

Note: If you click on the manoeuvre box, the system will tell you what the next turn-off command is.

If you need to perform several manoeuvres in quick succession, the next-but-one manoeuvre is shown in the form of a directional arrow above the Manoeuvre box (with a grey background). This means you can always see where you are heading in good time.

Current street / Coordinates: Here you are shown the street you are currently located on. When you are on off-road terrain, you are shown the coordinates of your current location.

Main Menu: The main menu button takes you to the menu guidance screen.

Tip: If on the navigation view you tap on the menu button for a long time, all of the navigation information is hidden and only the map is displayed.
Switching to the menu or tapping again for a long time will take you back to the normal view.

Altitude profile

The altitude difference to be overcome is important for each route in order to know how many inclines or descents exist in which section of the route.
The altitude profile shows this in the form of a graph.
You can view the altitude profile via **Active route**, or in many other contexts via the button .
The route is plotted on the x axis in km (or in miles). On the y axis the geographical altitude is plotted in m (or in feet).
The marked line indicates the course of the route.
The scale can be altered using the plus and minus buttons.

Tip: Zoom in closer to identify more details in the altitude profile. If you tap twice on a point on the graph, this point is zoomed in on.
When you click on a point on the graph, it is marked and the distance from the starting point is displayed. By clicking on one of the info boxes, different values which are to be displayed there can be selected.

Current position: Your current position is marked by a red arrow on the map.

Rapid access menu: Offers faster access to specific functions. When you tap on the symbol, the set functions are shown in the bar at the bottom. You can decide yourself which functions are displayed there (see chapter 3.10.3.10).

Click on map
If you tap on a point on the map, the point is marked with a pin and the address or position is displayed. If you then tap on Actions, you can for example navigate to the marked point or save the point as a waypoint.

Clickable POIs
With just one click on a POI icon on the map, you can easily display all the information you need to know about the POIs which are shown, remember the position, start a radius search or select the POI for route calculation.
Select a POI icon on the map about which you would like to know more information.
If you tap on the name of the POI, you will be shown the detailed view for this POI.
An **Actions** button appears below the name.
Tap on it. The actions mentioned above are now available to you.
Tap on **Close** in the info box or on the red arrow at the bottom edge of the screen to switch back to the map view.

Further information:
If you accidentally miss a turn-off or turn into a wrong street, a new route is automatically calculated. You will be guided safely by means of voice announcements and the display of your position, as well as the route to be covered, to your desired destination.
You are automatically in Position Tracking mode if you are not navigating to any destination or are not in simulation mode. Even if you are not navigating to a specific destination and simply want to explore the area, you can have your current position displayed continuously via the navigation screen. You end a navigation or simulation on the main menu by tapping on the **Delete route** button.

3.2 Main menu

You can put the main menu together yourself as you wish by tapping on **Settings > System/General > Main menu functions** and by activating the functions you want from the list (see chapter 3.10.3.12).

The main menu gives you access to these activated functions which are explained one after the other in the following chapters. To switch from the map view to the main menu, tap on ☰. To then return to the map view, tap on **Map**.

3.3 Extras

Functions which you have disabled for the main menu by tapping on **Settings > System / General > Main menu functions** are listed under the menu item **Extras**. These functions are also explained in the following chapters.

3.4 Destination entry

On the destination entry screen, you have the option of entering any destination you want in order to be navigated to it. Various possibilities for doing this are available to you and they are explained one after the other below.

3.4.1 Address

Here you can navigate to a destination by entering an address. You can enter a full address with the street and street number.

To enter an address, carry out the following steps:
First tap in the main menu on **Destination entry** and then on **Address**.
You can now enter the city name first or enter a postcode by tapping on 123 (not with Basic Map Plus (OSM).
Tap on **Next** to enter the street and street number.
You can also tap on the city name or street name in the text box to confirm the entry.

Choose a country
If you tap on the country flag in the upper section of the screen, you can select the destination country.

Note: You can only enter a destination if a country map which corresponds to the destination country is installed on your navigation device.

Caution: Depending on the product type, not all detailed maps which are provided are preinstalled on the navigation device. You can transfer additional country maps to your navigation device using the PC program Falk Navi-Manager.
You can acquire the latest country maps on the internet via the Falk Online Shop.

Note: For calculation of a route which passes through different countries, you definitely require the country map for the destination country and the countries which you need to pass through to get there. If you do not have all of the country maps situated in between, the European long-distance road network must be installed so that you can get to your destination country.

Note: If you do not wish to further restrict your search by selecting a street and / or street number and simply want to navigate to the centre of the destination city, simply tap on **Centre** after selecting the city with **Next**. If you just want to navigate to a street without a street number, tap after entering the street on **Street Centre**.

The button allows you to view the destination on the map in advance.
If you tap on the country flag in the upper section of the screen, you can select the destination country (if you have also installed other country maps).
To enter umlauts or special characters, press on the corresponding basic letter for a long time.
Once you have entered a letter, all of the letters which are no longer possible will be blanked out.

If you tap on , a list containing all possible city names for your entry will be displayed.

3.4.2 Home

The Home function takes you back home without any bother at any time.
When you first start the device, you will be asked to enter your home address.
After you have entered your address once, it is saved and you can navigate there at any time by tapping on **Home** once. The route from your current position to your home is calculated immediately.
You can change the saved address in the settings menu at any time.

3.4.3 Travel Guide

The Travel Guide offers you the possibility of searching for POIs in a targeted manner. In doing this, it makes use of Marco Polo Travel Guide content which has been researched by editorial teams.
First you must stipulate the search centre.
This can be a waypoint, the current position, the current destination, a city, your home address, coordinates or the last Travel Guide (if you have already used the Travel Guide previously).
The POIs are then sorted around this search centre.

3.4.4 Points of interest

Your device contains countless points of interest such as restaurants, viewing points, natural monuments, places to stay, places to visit and lots more.
If you select **Points of interest** on the destination entry screen, a list containing all categories appears. You can select individual categories by tapping on them or select all categories at once by tapping on **All** (top right).

Tap on **Next** (or on if you want to search for a name of a category).
Next you must specify a search centre for your search. The POIs will then be displayed sorted according to their distance from this point.
The search centre can be a waypoint, your current location, the current destination, along the route, a city, an address, a position on the map or coordinates.

The results are then displayed in a list.
You then have the following options:
Sort - Here you can sort the POIs according to various criteria.
Map - Displays the selected POI on the map.
Calculate - Starts the route calculation to the selected POI.
Double click - Opens the detailed view for a POI.
- Allows you to search for a POI by entering text.

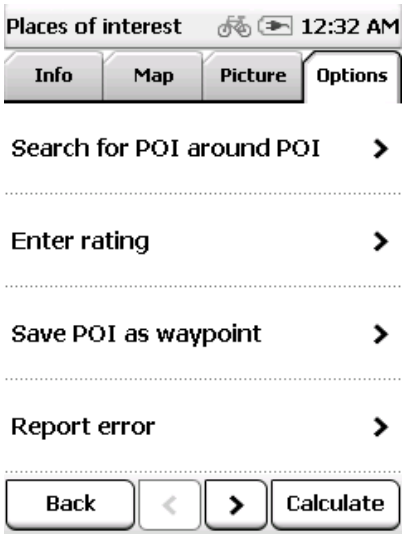
3.4.5 Detailed view of a POI

In the detailed view you will find all of the available information about a POI.
At the top you can switch between the Info, Map, Picture (optional) and Options screens by tapping on the tabs.
Info shows you the address, the distance and a descriptive text.

Map shows you the POI on the map view.

Via **Picture** you can view a picture of the selected POI if one exists.

In the **Options** you also have the following possibilities:



Search for POI around POI - Searches for another POI around the current one (if for example you would like to find a restaurant near to the hostel where you are staying).

Enter rating - Possibility of rating the POI. The rating is then displayed at the top in the detailed view.

Save POI as waypoint - Adds the POI to your own waypoints.

Report error - Adds a POI error to the map errors.

You can use the two arrows at the bottom to scroll to the next or previous POI from the list.

Calculate starts the route calculation to this POI.
Back switches back to the list of POIs.

3.4.6 Previous destinations

This function allows you to select the previous destinations that you entered very easily.
The previous forty destinations are automatically saved.

3.4.7 Position on map

Here you can mark a point on the map in order to navigate there. You can also move the map here using your finger.
If a point which is located in a city or on a street is marked, the address for this point is displayed. Otherwise the geocoordinates are displayed.

Tip: Zoom out via the "minus" button so that you can move the map to the correct point more quickly.

3.4.8 Waypoints

A waypoint is a position or address which has been saved. You can create waypoints yourself (see chapter 3.14.2) so that you can then navigate to the point again at a later date.

Here you can now select a destination from the waypoints which are located on your device. These may be waypoints you have created yourself or imported waypoints.
To do this, a search centre must first be stipulated.
The waypoints are then displayed sorted according to their distance from this point.
The search centre can be your current location, the current destination, along the route, a city, an address, a position on the map or coordinates.
As an alternative to a search centre, you can also tap on **Show all waypoints**, all waypoints will then be displayed sorted in alphabetical order.
The results are then displayed in a list.

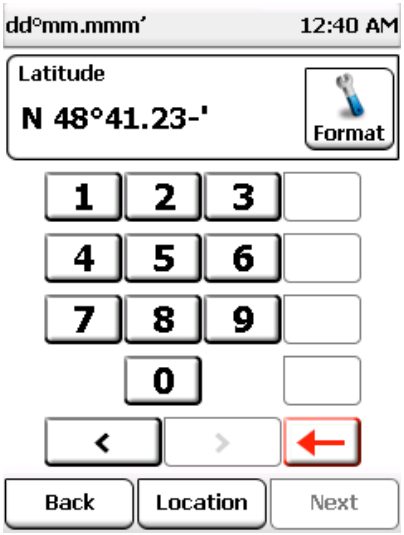
You now have the following options:
Sort - The waypoints can be sorted in alphabetical order or by distance.
Map - Displays the currently selected waypoint on the map.
Calculate - Starts the route calculation to the selected waypoint.
Double click - Opens the detailed view for a waypoint.

The further functions in relation to waypoints are explained in chapter 3.14.

3.4.9 Coordinates

You can also enter your destination via coordinates.
This function is particularly helpful for reaching a precise location in open terrain where it is not possible to specify an address.
You can also use the entry of the coordinates for geocaching.

Note: The entry format is important here as there are different formats for coordinates.
The preset format is based on the pattern of degrees/decimal minutes (dd°mm.mmmm´).
To set a different format, tap on **Format** on the right.
A list containing possible formats will then be displayed.
You can change the format again at any time in the settings (see chapter 3.10.3.7)



With the degrees/decimal format, the degree of latitude is entered first.
To do this, tap on the right on **N** for north (north means north of the equator). Now enter the coordinates.
If you tap on **Next**, you can enter the degree of longitude.
To do this, tap on **E** for east (east means east of the prime meridian).

If you click on **Location**, the coordinates of the current position are entered.

Note: As Central Europe is situated north of the equator and east of the zero meridian, you will always use the north/east combination when entering coordinates in this format.

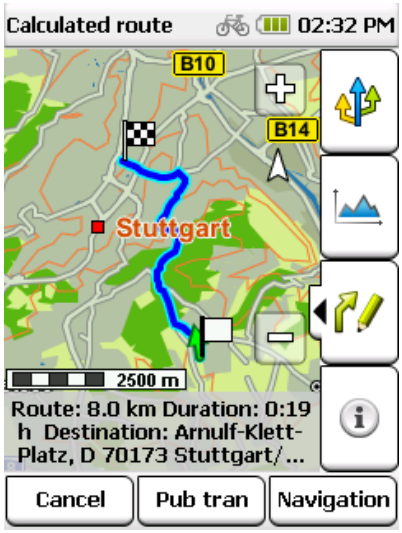
If after entering the degree of longitude you tap on **Next**, it is (if possible) specified which address is located close to the coordinates.
Tap on **Map** to display the point on the map or on **Calculate** to start routing to this location.

3.4.10 Arrange menu

Here you can change the order of the functions as you wish within the destination entry screen.
Select a function and move it to the place you want with the aid of the rectangular arrows.
Do not worry - no function will be lost. And even if the functions become mixed up, you can tap on **Restore** to restore them to the preset order.

3.5 Calculated route

Once you have entered a destination, the route options are then enquired about. If a route has then been calculated, you have the option of calling up different information about the route or calculating alternative routes.



- Calculates two alternative routes.

- Displays the altitude profile for the calculated route. If you have already calculated alternative routes, here you can view and compare the altitude profiles for all routes.

- Here you can set the route options again if necessary or drag the route (see chapter 3.5.6).

- Displays the route information with a description for the route in a list.

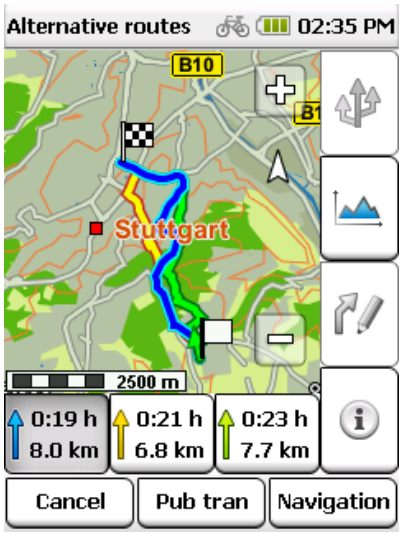
Note: The alternatives are also calculated by taking account of the route options entered previously.

You can start routing via **Navigation**.

3.5.1 Alternative routes

If after calculating a route you have calculated alternative routes, they are shown in different colours on the map.

You can then select an alternative via the boxes at the bottom which are also marked in the relevant colour.
You can then view the different information for the selected alternative.

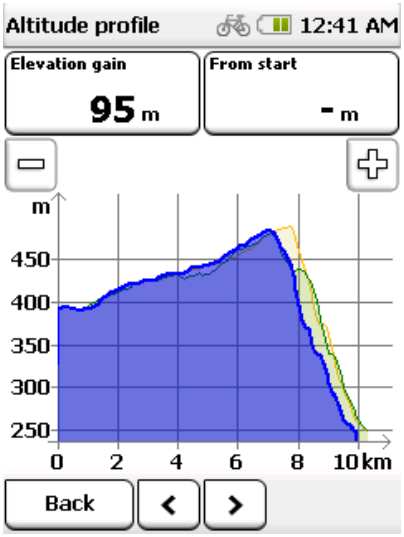


3.5.2 Altitude profile

You can compare the altitude profiles for all alternatives if you tap on .
The route is plotted on the x axis in km (or in miles). On the y axis the geographical altitude is plotted in m (or in feet). The scale can be altered using the plus and minus buttons.

Tip: Zoom in closer to identify more details in the altitude profile. If you tap twice on a point on the graph, this point is zoomed in on.
When you click on a point on the graph, it is marked and the distance from the starting point is displayed. By clicking on one of the info boxes, different values which are to be displayed there can be selected.

If you have already calculated alternative routes, here you can view and compare the altitude profiles for all routes The altitude profiles are marked in the same colour as the route in each case.
You can switch between the altitude profiles using the arrows at the bottom.

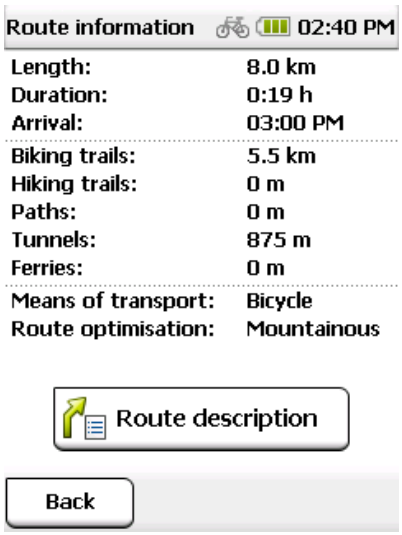


3.5.3 Route options und drag route

To change the route options which are set for the calculated route, tap on **Route options**. When you change the route options, the route is recalculated. You will find more information about the **Route options** in chapter 3.10.1.1.

You will find more information about the **Drag route** function in chapter 3.5.6.

3.5.4 Route information



You can call up the route information by tapping on .
Here you can call up the route information and display the description of the route in the form of a list.
The following information is displayed to you in the **Route description**:

- The name of the respective road.
- The route which is being covered on the respective road.
- With major roads or motorways, the abbreviation (e.g. B311).
- The destination is shown on a bar at the bottom.

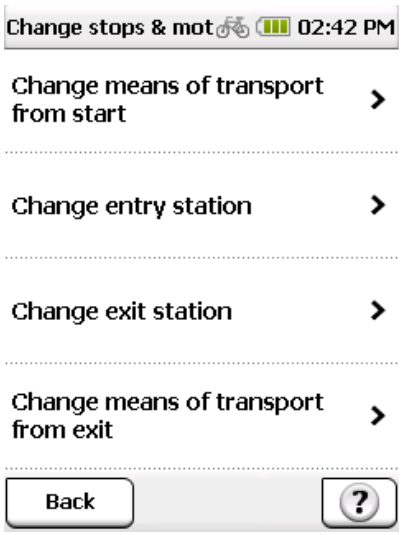
The **Display** button allows you to view the selected entry on the map and scroll through the route.

3.5.5 Bus & train (optional)

The **Bus & train** function allows you to incorporate public transport into the route calculation. The stops or stations which are located closest to the starting point and destination point of the route are selected here. The routing runs to the starting station and from the destination station to the final destination. The route calculation includes the approximate travel times for the means of public transport which are used.

After calculating the route, tap on **Public transport**.
A list appears containing the start, the entry and exit points for the public transport and the destination.

If you tap on **Edit**, you have the following possibilities for adjusting the connection:
Change means of transport from start – here you can select how you want to navigate to the station you start from (bicycle, pedestrian)
Change means of transport from exit – here you can select how you want to navigate from the destination station to your final destination (bicycle, pedestrian)
Change entry station – here you can select an alternative station from a list
Change exit station – here you can select an alternative destination station from a list



Tap on **Calculate** to confirm your selection and to start the route calculation. Tap on **Navigation** to start routing to the starting station.
Once you arrive at the starting station, the bus & train connection is automatically displayed on the navigation screen.

Note: The automatic switchover depends on the GPS signal. As it is often not possible for the GPS signal to be received in buildings and in underground stations, the device may not switch over automatically. In this case, you can switch over manually. To do this, select **Active Route > Bus & train connection** and tap on **Get on**.
On the navigation screen, you can while travelling on the public means of transport move the list which is displayed up or down with your finger. If you tap on an entry in the list, the station is displayed on the map. The **Position** button restores the map to your current position. By tapping on **Bus & train connection** you can view the entire connection. Once you arrive at the destination station, the navigation automatically switches back to routing to your final destination point.

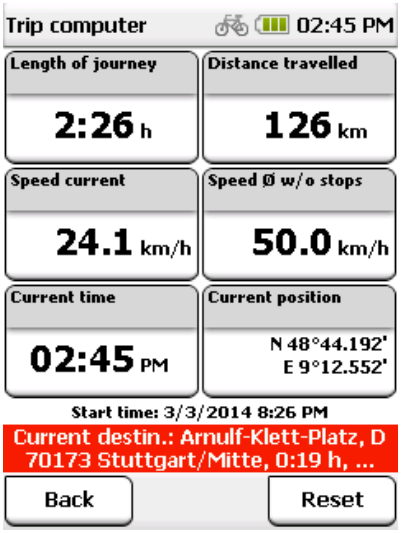
3.5.6 Drag route

After calculating a route via the destination entry screen, you have the option of modifying the calculated route manually.
After calculating the route, tap on the "Modify route" button and then on the "Drag route" button .
If you now tap on your route, you will be given a marking which you can drag to any point you want on the map. The new route is then shown to you. Furthermore, the original point is displayed to you along with two buttons to continue using the dragged route.
Delete point – The marking set previously is cancelled.
Set another point – The marking just set is adopted and the new route is calculated.

Note: If the point is set away from a road, the nearest point linking to a segment of road is searched for and the route is calculated using this point.

Note: A set point can be selected, moved or deleted again at any time.

3.6 Trip computer



The **Trip computer** provides you with lots of data and figures while you are on the move.
When you tap on **Trip computer**, six preset figures are shown to you.
However, lots of other figures can also be displayed.
To do this, tap on one of the boxes displayed. You can then select from a list of all the available data which figure you would like to have displayed in this box.

The destination is displayed in the box at the bottom.

Note: The trip computer can only be reset via the **Reset** button.
This means that figures in relation to day trips or trips over several days can be collected. Even switching off the device does not reset the trip computer.
The trip computer is reset for the duration of a track recording so that only the values for the track are displayed. Once the track is ended, the values for the track are added to the trip computer values which were displayed previously.

3.7 Tour planer

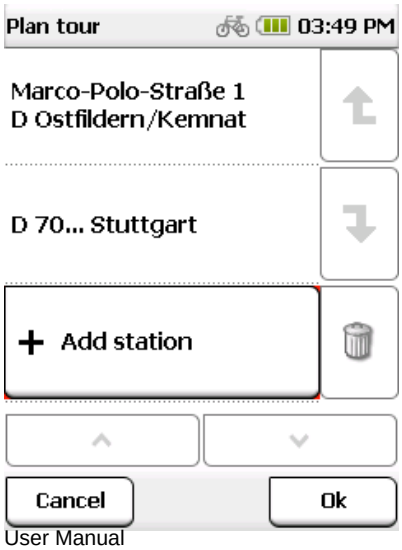
Tours are routes which contain several destinations one after the other. You can compile your own tours on the device. You can use all sorts of destinations to do this.

3.7.1 Create a new tour

Via **Plan tour** you can compile a tour for yourself.

The preset starting point is your current location.
To change this, simply click on the **Start** button. You then have several options for entering a starting point (e.g. address, previous destinations etc.)

You can then also enter the destination point in the same way.
When you tap on **Calculate**, the route is calculated and displayed on the map.



In addition to the functions for the calculated route from the normal destination entry, you can also simulate the calculated route here (not where there are several stations).
The route is run through virtually here. You will see on the map how the route proceeds and when and how turns are made. To do this, tap after calculation on **Demo**.

For routes with several stations, you can add destinations to the tour by tapping on the **Add further destinations** button and then **+ Add station**.
All kinds of destinations can be used as stations. The

different kinds of destinations are entered in the same way as with normal destination entry. Once you have entered all destinations, tap on **Calculate**. You will then be asked to save the route under a name which you are free to choose. When you confirm the name, the tour is created. You can start the routing by tapping on **Start tour**. You can choose whether the route calculation should start from your current position or the first station.

3.7.2 Plan circuit (optional)

Tap in the **Tour planner** on **Plan circuit**. Here you can start a circuit from a stipulated starting address. Here too, the preset starting point is your current location.
After entering the address, you can specify either the required distance or the duration of the circuit. The Falk Navigator then calculates a circuit which reflects the route options that have been set and takes you back to your starting point.

Note: In order for example to obtain a version of the circuit with less of an altitude gain, you can vary the entry by a minimal amount (e.g. around 1 km).

3.7.3 Select saved tour

If you have already created tours, you can call up a tour via **Select saved tour**.

First select whether the tours should be displayed sorted around your current location or an address. Or you can simply have all tours displayed. They are then listed in alphabetical order.

Select the tour you want from the list and tap on **View tour**.
The detailed view of the tour is then displayed.
Via **Edit** you can change the settings for the tour.
If you tap on **Start tour**, you start the routing. You can select whether the route calculation should start from your current position or the first station.

3.7.4 Detailed view of a tour

You will find all of the information you need about a tour in the detailed view.
First select a tour and tap on **View**.

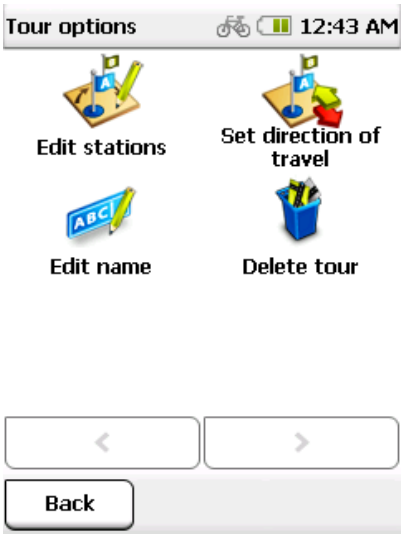
You can switch between three views using the tabs at the top:
Info: Shows the starting point and destination point, as well as the route length and the number of stops.
Map: Shows the tour on the map.
Stations: Displays a list of the individual stations.

In the station list you can also deselect certain destinations on the tour if you do not want to navigate to them. To do this, tap at the end of the line for the station on ☑.
☒ means that the station will be ignored.
☑ means that the station will be navigated to.
✓ means that the station has already been visited (on the current tour).

When you tap on **Start tour**, the tour is started.
To make further settings in relation to the tour, tap on **Edit**.

3.7.4.1 Edit tour

To edit a tour, first select a tour and then tap on **View**.
Now tap on **Edit**.



The following setting options are then available to you:

Edit stations – Here it is possible to add further stations, change the sequence of the stations and delete stations again.

Set direction of travel – Here you can reverse the tour. The stations will then be navigated to in reverse order.

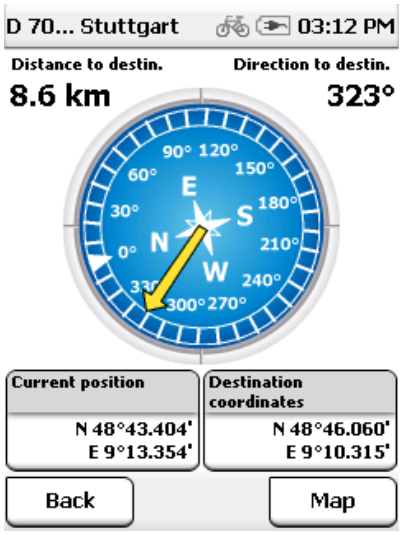
Edit name – Here you can edit the name of the tour.

Delete tour – Here the selected tour can be deleted.

3.8 Compass

After calculating a route to a geocache or to a peak or during navigation, you can use the **Compass** menu item to display various pieces of information.

Display of static route information:
- Arrow which points towards the destination, the geocache or the peak
- Distance to the destination, geocache or peak
- Direction towards destination, geocache or peak
- Name or coordinates of the destination, geocache or peak



Display of variable route information via the route information buttons:
- e.g. the geocoordinates of your current position
- e.g. the geocoordinates of the destination, geocache or peak
- e.g. the GPS accuracy

If the destination is a geocache, when you reach the destination you receive a message and an **Actions** button.
If the destination is a Peakhunter peak, when you reach the destination a message and a **Log** button is displayed.

Note: If the compass needs to be calibrated, a **Please calibrate** button is displayed. Please follow the instructions for compass calibration.

3.9 Peakhunter (optional)

3.9.1 Hunt peaks

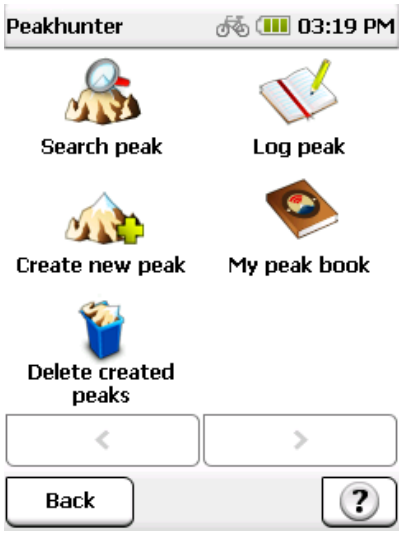
Peakhunter is a kind of virtual peak guestbook in which you can make an entry when you reach a peak. Furthermore, you can navigate to the peaks which are already preinstalled or create new peaks.

3.9.2 Transfer peaks onto the navigation device

Peaks are already preinstalled on your Falk navigation device and you can utilise the Peakhunter function immediately.
However, if you want to download further data onto your device, you can transfer the GPX file by means of web plugin directly onto the navigation device.
To do this, you log in on the Peakhunter homepage (http://www.peakhunter.com) and navigate to the Falk Outdoor Navigation page.
First of all, you should choose the desired country whose peaks you want to download and then install the Falk Device Plugin.
Once the Falk Device Plugin has been installed, you can select the navigation device which is connected to the PC. Finally, tap on the Transfer data button to transfer the data to your device.

3.9.3 Search peak

If you want to navigate to a peak, tap on **Peakhunter** and then on **Search peak**. Then specify the search centre you want. You can use your **Around location**, enter an address (**Around address**) or specify coordinates (**Around coordinates**). The peaks are then sorted and displayed according to their distance from this centre.
Once you have selected a peak from the list, you can display the peak on the map by clicking on **Map**, navigate to it directly by clicking on **Calculate** or call up the detailed view by double-clicking on the list entry.



3.9.3.1 List of peaks

In the list view, you are shown all peaks in the area surrounding your search centre, sorted by distance. Logged peaks have a green circle with a white arrow, created peaks are symbolised by a pencil.
Here you can also search for peak names. To do this, start the search with **ABC** and enter the name you want.
Furthermore, you can sort the list of peaks according to specific criteria. Tap on the **Sort** button and choose from the various sorting possibilities:
Distance: The list of results is sorted by distance from your search centre as standard.
Alphabetical: The list of peaks is sorted in alphabetical order.

3.9.3.2 Detailed view of a peak

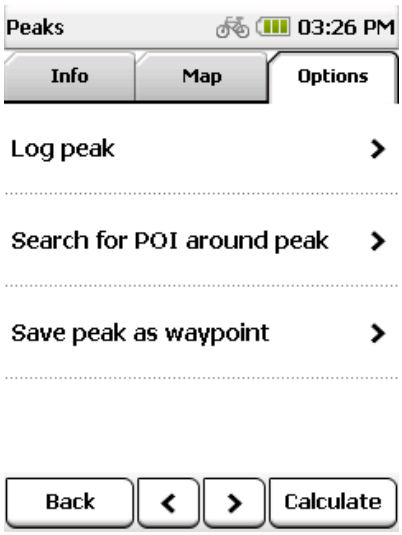
In the detailed view, you will find all of the available information about a peak.
By tapping on the tabs you can switch between the **Info**, **Map** and **Options** views.

On the **Info** tab, you can tell from a green circle with a white arrow that you have already logged the peak. Furthermore, for example, you are shown the geocoordinates of the peak, the height of the peak, the distance from your search centre and the cardinal direction from your search centre.

The **Map** tab shows you the peak on the map view.

In the **Options**, you also have the following options:

Log peak - Here an entry can be made in the virtual peakbook or existing entries can be viewed. In addition, a comment can be added or corrected or be deleted if necessary.
Search for POI around peak - Searches for a POI around the selected peak.
Save peak as waypoint - Adds the peak to your own waypoints.



Using the two arrows at the bottom, you can scroll to the next or previous peak in the list.
Calculate starts the calculation of a route to this peak.
Back switches back to the list of peaks.

3.9.4 Log peak

A peak can only be logged if you are within a distance of no more than 50 m from the peak. If you have been navigated to the peak, when you reach your destination a **Log** button appears on the navigation screen. If you have arrived at the peak without being navigated there, you can also log the peak via **Peakhunter > Log peak**.

3.9.4.1 Correct the position of a peak

If you are within a distance of from 50 m to 200 m of a peak, the position of this peak can be corrected.

3.9.5 Create new peak

If you have climbed a peak which has not yet been recorded via Peakhunter, you can create this here yourself.
In a first step, you give the peak a name, then tap on **Next** and in a second step you specify the peak height. The peakbook entry for the newly recorded peak will then be shown to you. Here you also have the option of entering a comment.

3.9.6 My peakbook

In your peakbook you will find a list of your created and logged peaks (see chapter 3.9.3.1). Logged peaks have a green circle with a white arrow, created peaks are symbolised by a pencil.

3.9.7 Delete created peaks

All peaks which you have created can be deleted here.

3.10 Settings

The settings for your device are subdivided into three categories. The navigation settings relate to the routing, the map display comprises all functions of the map and the system / general settings relate to the device or the application as a whole.

3.10.1 Navigation settings

Here you can make various settings relating to the routing. To do this, click in the menu on **Settings > Navigation Settings**.
The following options can be changed:

3.10.1.1 Route options

The route options allow you to define your own individual route. The route options include three settings: the means of transport, the route optimisation and the type of routes. These settings are run through as standard after each route calculation.

When it comes to the means of transport, you can choose bicycle and pedestrian .

Route optimisation
With the route optimisation, you have various options for adapting the route:

Flat - The route preferably runs over flat sections.

Mountainous - The route preferably runs over hilly sections.

Short - Calculates the shortest route to the destination, regardless of inclines.

Linear distance – Plots a straight line from your current location to the destination (bearing navigation).
Note: The selected route optimisation also has an impact on the length of the route. For example, if you choose **Flat** sections of the route with an incline that is too steep will be avoided, which can result in a longer route.

With the **Transport routes**, you have the following options:

Cycle paths - Use or avoids cycle paths (only in bicycle mode).

Hiking trails - Use or avoids hiking trails (only in bicycle mode) / use or prefer hiking trails (only in pedestrian mode).

Steep gradient – Use or avoids gradients of over 8% (only in bicycle mode).

Road traffic – Use or avoids road traffic (only in bicycle mode).

Turns - Use or avoid many turn manoeuvres (only in bicycle mode).

Ferries - Use or avoid routes involving ferry connections.

Tunnels - Use or avoid routes that pass through tunnels.

Fixed rope routes - Use or avoid fixed rope routes (only in pedestrian mode).

Paths - Use or avoid routes via paths and dirt tracks.

To avoid one of the options, tap on the corresponding symbol. Symbols with a red "X" mean that the corresponding type of route will be avoided. Symbols with a heart mean that preference is given to this type of route.

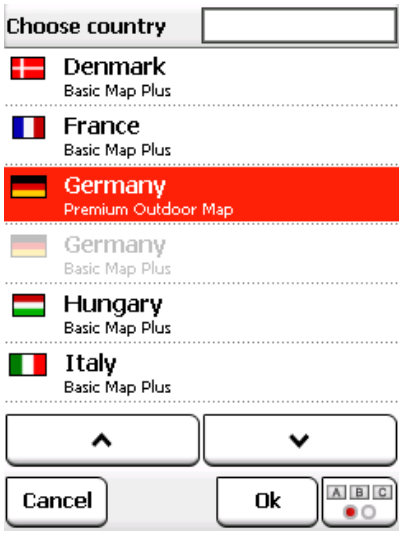
Note: "Avoid" does not mean that these types of routes are completely ruled out. It is always possible that avoided types of routes will also be used in individual cases.

3.10.1.2 Set routing

Here you can set whether you want to be guided during navigation by voice output or by a beeping noise. The voice output issues spoken turn-off instructions with indications of distance. The beeping noise output warns you with a beep when you are approaching a turn-off or when you deviate from the calculated route.

3.10.1.3 Stipulate country map

Only one country map can be used for a country at any one time. If you have installed several country maps for a country on your device (e.g. Basic Map Plus Germany and Premium Outdoor Map Germany - partial coverage), you can set the priority of the map to be used. This will then be used both for the map display and in the address entry.



To do this, proceed as follows:
Tap in the country selection list on the map which is currently inactive (grey background) for a country.
The map priority prompt now appears. You then have the following possible options:
- Always prefer Premium Outdoor Map: Stipulates that (if available) the Premium Outdoor Map is always used (recommended setting if you are travelling in a territory for which you have a Premium Outdoor Map (e.g. southern Germany) if you have the Trans-Alp Premium Outdoor Map).

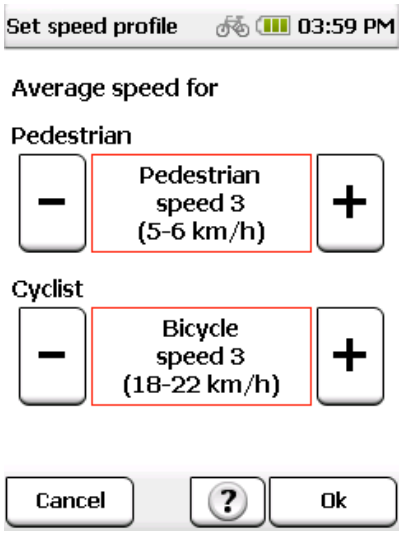
- Prefer Basic Map Plus (OSM) for the maps for which only part of a Premium Map is available (e.g. southern Germany): Stipulates that preference is given to the Basic Maps even if a Premium Outdoor Map is available for part of the country.
This setting is recommended if you have installed the Trans-Alp Premium Outdoor Map and want to calculate a route which no longer lies fully within the area covered by the map with partial coverage (e.g. southern Germany). In this case, the Basic Map Plus (OSM) is used for the corresponding country, if available.
Example: You are planning a tour with several stops from Frankfurt to Florence. You have installed the Trans-Alp Premium Outdoor Map and the Basic Maps Plus (OSM) for Germany, Austria and Italy. With the setting described above, you can now navigate from Frankfurt on

the Basic Map Plus Germany as far as the Austrian border. As the Trans-Alp Premium Outdoor Map also covers the whole of Austria, you will continue to be routed all the way through Austria on this map. In Italy, you will then be routed on the Basic Map Plus Italy as the destination (Florence) is no longer covered by the Trans-Alp Premium Outdoor Map.

- Always prefer Basic Map Plus (OSM): Stipulates that the Basic Map is always used even if a Premium Outdoor Map is available for this country or part of this country.

3.10.1.4 Speed profile

This function allows you to set your average speed. The set profile helps to calculate the arrival time and total travel time more exactly.
You can set this setting separately for pedestrian and bicycle mode. You can choose between different speed settings in each case. Set your desired profile using the plus/minus buttons and confirm it with **Ok**.



3.10.1.5 Ask about route options

If this function is activated, the route options are asked about before each route calculation. This function is activated as standard. If you do not frequently change the route options, disable this function.

3.10.2 Presentation of the map

Here you can make various settings which affect the map view. To do this, click in the menu on **Settings > Presentation of the map**.
The following options can be changed:

3.10.2.1 Map perspective

/

With the map perspective you can switch between the two-dimensional and three-dimensional representation of the map. The respective setting is indicated by the symbol and the text 2D or 3D.

3.10.2.2 2D Raster maps (optional)

/

With the raster maps you can view landscapes and cities from a bird's-eye perspective via topographic maps. The raster map thus makes it easy for you to get your bearings.
Requirement: You have activated the 2D map view and installed raster maps.

3.10.2.3 2D Relief map (optional)

/

With the relief maps you see a vivid three-dimensional representation of the terrain.

3.10.2.4 In direction of movement / Orientated

/ The map can be orientated either in the direction of movement or always to the north.

Note: If you select **In direction of movement**, the positional arrow always points upwards. This setting facilitates orientation. If you select **Orientated**, the positional arrow is located in the middle of the map and rotates according to the direction of movement.

3.10.2.5 Position on street

/ Here you can stipulate whether your current position should be mapped onto the route network.

Note: For geocaching and for navigation on open terrain, it is essential that you switch off this function.

3.10.2.6 City name on basic map

/ If you do not have maps for a continent or country, this function still allows you to display the city names on the basic map to allow better orientation.
If you then subsequently go on to purchase more maps, you can deactivate the labelling on the basic map here.

3.10.2.7 Auto zoom (only in bicycle mode)

/ When auto zoom is activated, the scale of the map is adjusted on the basis of your speed (at high speed the map zooms out). If you switch off the auto zoom, you can set the scale of the map on the map view screen yourself. This is then retained.

3.10.2.8 POIs on map

Here you can choose which points of interest should be displayed with small symbols on the map. To do this, select the categories you want. All points of interest in the chosen categories will then be displayed on the map.

3.10.2.9 Track recording on map

/ For the track recording (see chapter 3.15.2.1) you can set here whether the route covered should be shown on the map view.

Note: This setting only relates to the map view during recording. With a saved track, the route covered can always be displayed on the map at a later date.

3.10.2.10 Set map colours

You can use the **Set map colours** button to adjust the colours used on the map display. With the arrows you can switch back and forth between the colours. When you tap on **Ok**, the selected colour will be used.

3.10.2.11 Show building outlines (optional)

/ To make things clearer, you can have the schematic outlines of buildings displayed on the grid map in populated areas.

3.10.2.12 Arrange menu

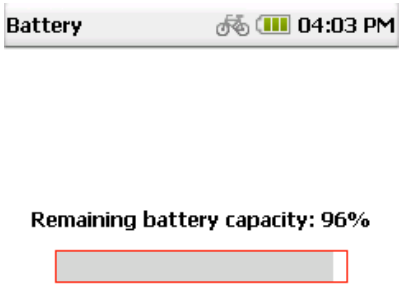
Here you can change the order of the functions as you wish within the destination entry screen.
Select a function and move it to the place you want with the aid of the rectangular arrows.
Do not worry - no function will be lost. And even if the functions become mixed up, you can tap on **Restore** to restore them to the preset order.

3.10.3 System / General

Here you can make various settings which affect the device. To do this, click on the menu on **Settings > System / General**.
The following options can be changed:

3.10.3.1 Battery

The battery option allows you to check the remaining battery capacity.
When connected to a power source, **Charging** is displayed above the capacity meter.
In the case of a device for standard batteries (optional), here you can change the battery type to optimise the display of the remaining battery capacity. To do this, choose the relevant battery type (alkaline, lithium or NiMH) and confirm your entry with **Ok**.

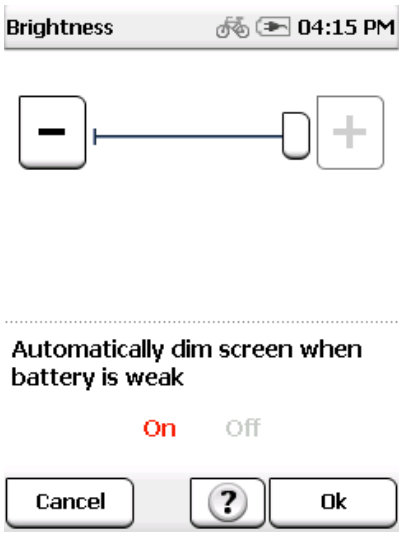


3.10.3.2 GPS-Info

GPS Info indicates the GPS reception signal strength at the current location. Adequate GPS reception is essential for any navigation.
An info page with information about the existing GPS connection and your current position as well as the altitude and speed is displayed.
The colouring provides you with information about the GPS status at a quick glance:

- **Red**: GPS signal is not sufficiently strong to allow positioning. Signals are being received from fewer than 3 satellites.
- **Yellow**: GPS signal is sufficiently strong to allow positioning, but not sufficiently strong to allow the current elevation to be determined. Signals are being received from 3 satellites.
- **Green**: A high-quality GPS signal is being received that allows your elevation to be determined. Signals are being received from at least 4 satellites.

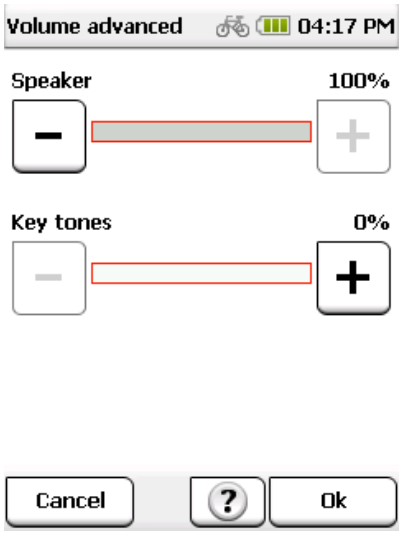
3.10.3.3 Brightness



Here you can set the brightness of the screen.
The brightness settings have a great influence on the power consumption of your navigation device. To save power in battery mode, turn down the brightness level.
In addition, you can select whether the screen should automatically be dimmed when the battery is weak in order to save power.
Confirm your setting by tapping on **Ok**.

3.10.3.4 Volume

The volume option allows you to change the volume of your navigation device or switch it off entirely. Optionally, you can if necessary also make a separate volume adjustment for individual functions in the Falk Navigator.
To change the system volume or switch it off entirely, first tap on the **Volume** button. You can increase the volume by tapping on the plus symbol or reduce the volume by tapping on the minus symbol. The volume which is set is indicated to you as a ratio of the maximum volume.
However, you also have the option of switching off the sound with one click. If you tap on **Sound** at the bottom, the sound is muted. When you want to cancel the muting again, click on **Sound** again or on the plus or minus symbol.
Confirm your selection with **Ok** or exit the display with **Cancel**.

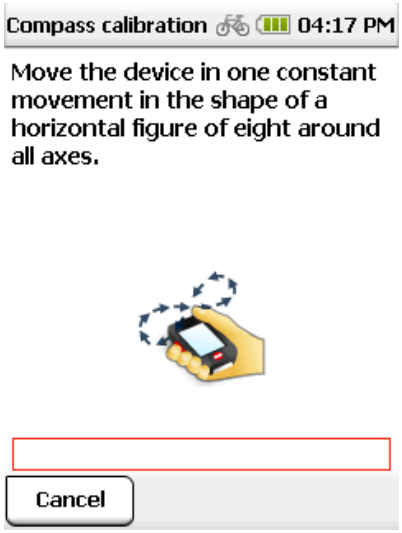


Under **Advanced** you can make separate settings in relation to the volume of the speakers and the system key tones.
Tap on **Ok** to save the settings.

Note: The advanced volume settings are always dependent on the system volume. A change to the system volume therefore also always results in an adjustment to the volume in the individual functions of your Falk Navigator.

3.10.3.5 Calibrate compass

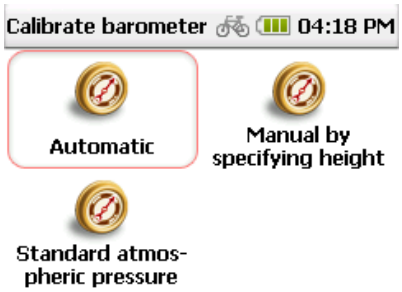
To guarantee precise orientation of the compass, you should recalibrate the compass at regular intervals. To do this, tap on **Calibrate compass** and follow the instructions on the device.
Note: You should only ever calibrate the compass outdoors. Make sure when calibrating it that no metallic objects are located in the vicinity of the device and that no magnetic or electro-magnetic sources of disturbance (e.g. high-voltage power lines, antennae) are present.



3.10.3.6 Calibrate barometer

To optimise the accuracy of the height measurement, you should calibrate the barometer at regular intervals.
You can calibrate the barometer in three ways:

- **Automatic** - The barometer is then calibrated completely automatically. (However, to obtain more accurate results it is recommended that you calibrate it manually.)
- **Manual by specifying height** - If you know the height of your current position, enter this and place the device down to rest on a flat surface for a short time.
- **Standard atmospheric pressure** - Then the standard atmospheric pressure at sea level is used to determine the height.

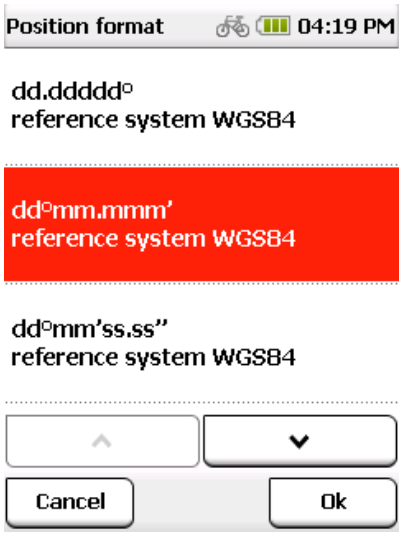


Note: The barometer should be calibrated after each change of battery. In changeable weather and where there are large differences in height, it is recommended that you calibrate the barometer several times a day.

3.10.3.7 Set position format

There are different formats for specifying coordinates. To support the entry of the most common formats, here you can select the format you want.
The following formats are available to you:

- dd.ddddd° (decimal degrees)
- dd°mm.mmmm` (decimal degrees and minutes)
- dd°mm`ss.ss" (decimal degrees, minutes, seconds)
- Gauß-Krüger (easting, northing)
- Swiss grid (longitude, latitude)
- UTM (zone, easting, northing)



This setting is then used in the entire system.

Note: UTM and Gauß-Krüger are formats from printed maps. You can read the coordinates off such maps and enter them in the device.

3.10.3.8 Screen auto-off

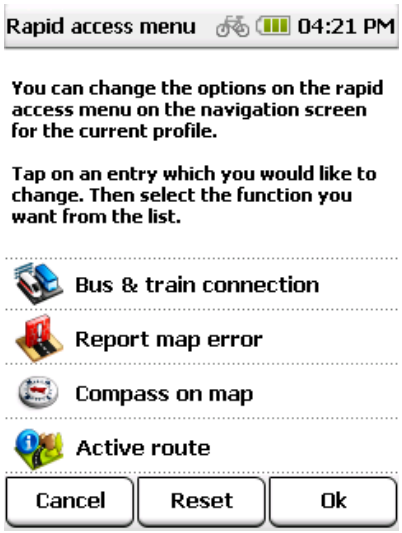
You can use this function to set whether and after what period of time the screen automatically switches off. You can choose between never, 15 seconds, 30 seconds 1 minute. In addition, you can select whether the keylock should also be activated at the same time so that no accidental entries are made.

Note: While your screen is switched off, existing navigation operations or track recordings continue to run. If you press the hardware key (when the keylock is active) or click on the screen, the screen is activated again. Announcements continue to be output. This function helps you to extend the life of the battery.

3.10.3.9 Set home

The Set home option allows you to change your home address which you entered when you first started the device.
Tap on **Set home**.
You can enter your home address via the on-screen keypad.
Confirm your entry with **Ok**.
The display automatically switches back to the settings menu.
The address which is entered can be overwritten at any time by entering a new address.

3.10.3.10 Rapid access menu



Adapt the rapid access menu on the navigation screen to reflect your individual needs by stipulating which functions and settings of the Falk Navigator you want to have rapid access to.

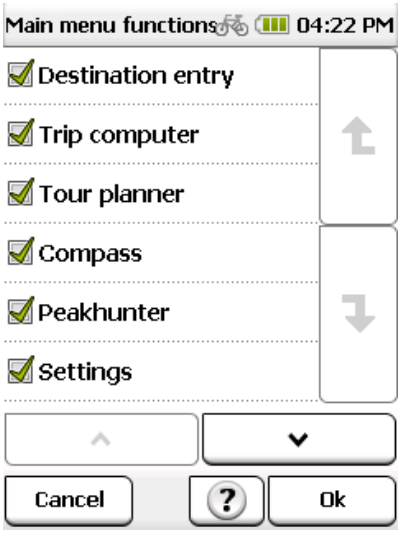
Tap on **Rapid Access Menu** and then on the function which you would like to change in the rapid access menu view.
Select a function or setting from the **list**.
You can scroll through the list using the arrow buttons. You can use the button to search for a function by entering a name.
kannst Du über die Namenseingabe nach einer Funktion suchen.
Confirm with **Ok**.
Reset allows you to restore the original setting.

3.10.3.11 Hardware button setting (optional)

Here you can stipulate which function can be controlled via the control button. Select one of the specified functions from the list and confirm with **Ok**.

3.10.3.12 Main menu functions

You can put the main menu together yourself as you wish by activating the functions you want from the list.
Disabled functions are not checked, slip to the end of the list and can then be found in the Extras menu.



3.10.3.13 Kilometres / Miles

Tap on **Kilometres** or **Miles** to determine the unit of measurement for specifying distances. You can switch between kilometres and miles. The speed data is then also specified in the selected format.

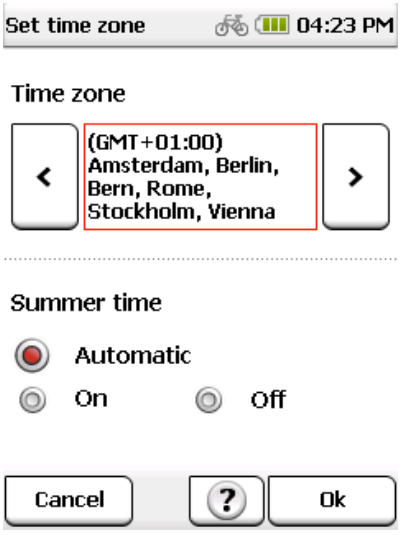
3.10.3.14 Default settings

If you tap on **Default settings**, you can reset the settings of the Falk Navigator to the factory settings; the navigation device is automatically restarted when you do this. You then have the option via the start wizard of making new settings.

3.10.3.15 Time

The **Time** option allows you to set the time zone and the time format.

Note: The current date and the current time are received with the GPS signal and are thus always set to the nearest second.
To set the time zone in which you are situated, tap on the left or right arrow in the top section of the screen.
An automatic switchover between winter and summer time is preset. If you would prefer to set the summer time manually, select On. If Off is activated, winter time is displayed.
Confirm the settings with **Ok** or exit the display without saving the settings via the **Cancel** button.



3.10.3.16 Language

Tap on **Language** to select the menu language and a speaker. First select the language in which you want to be guided through the menus in the Falk Navigator. The language is always specified in the respective national language.
If several speakers are preinstalled in a language on your device, select the speaker you want. Confirm your selection with **Ok**.

3.10.3.17 Screen

If the screen no longer reacts to being tapped on without any errors, it needs to be recalibrated. To do so, you need a stylus (optional) or another blunt object. To avoid damaging the display, never tap it with any pointed object.
Choose the **Screen** option and start calibration by confirming the following display screen with **Ok**. If you do not want to carry out the calibration, exit the display by tapping on **Cancel**.
Tap and hold the stylus for a short while on the cross. Repeat the process for each position at which the cross is located.
The calibration process is complete as soon as there is no longer any cross displayed. Tap on the screen again to return to the menu.

3.10.3.18 Info about

You can use the **Info about** option to display system information, in particular about the version of the navigation software used, about the map material and map data used. The **Extra functions** button gives you an overview of the software functions available to you for a limited period of time.
To exit the display, tap on **Back**.
Tap on the **Copyrights** button to display information about copyrights for the software used. Here you will also find country-specific copyright notices.

3.10.3.19 Arrange menu

This function allows you to determine your own personal menu order in order to be able to access the functions which are important to you quickly and with ease.

With the arrow keys on the left you can scroll through the list. Select the function whose position you would like to change by tapping on it. With the angular arrows on the right you can move the previously selected function to another point on the list. Confirm your entry by tapping on **Ok**. You can use the **Restore** button to restore the standard order.

3.11 Active route

If you have calculated a route and are in navigation mode, you have the following options under **Active route**:

- **Calculate alternative** - Calculates two alternative routes.
- **Avoid route ahead** (optional) - Here you can avoid part of the route located directly ahead of you if, for example, there is a set of roadworks there and it is not possible to travel any further. To do this, select the length of the section of the route which is to be avoided and tap on **Ok**.
- **Enter stopover** - Here you can enter a stop-off point which is then navigated to before the destination which has already been entered.
- **Next destination** - If you have entered a stop-off point or are on a tour, you can navigate to the next destination here.
- **Current tour profile** - If you are travelling along a tour, you can view the entire tour profile here.
- **Active geocache** - If you are looking for a geocache, you can view the detailed view of the current geocache here.
- **Calculate shortcut** - If you have calculated a circuit, you can use this to calculate the shortest route or a direct route to the destination.
- **Bus & train connection** (optional) - If you have calculated a bus & train connection, you can view the whole connection here.

3.12 Remember position

To remember a position so that you can find your way back there at a later date, use the **Remember position** function. This allows you to find your parking space again quickly and easily if for example you are in an unfamiliar city.
The date and the time is first displayed as the name as standard.
But you can also enter a name instead of the date.
You can change the name by pressing the back button for a long time and entering another name.
You save the position with **Ok**. This saves the current position as a waypoint

Note: If there is insufficient GPS reception, the navigation device remembers the position at which you last had GPS reception. If no last GPS position exists, no position can be saved.

3.13 Geocaching

Geocaching is a kind of outdoor treasure hunt in which you as the treasure hunter can find concealed containers, known as geocaches. Via the Falk Navi-Manager you can very easily transfer geocaches from the internet to your navigation device.
On websites such as Geocaching.com or Opencaching.de you will find the respective files to download and you can share your own experiences with other geocachers.

3.13.1 Transfer files to your device

3.13.1.1 Transfer by Falk Navi-Manager

You can download geocaches to your device via the Falk Navi-Manager.
To do this, download the GPX file you want and then import it via the **GPX-Manager**. You will find detailed instructions on how to do this in chapter 5.1.

3.13.1.2 Transfer by plugin

You can send the GPX file directly to the navigation device by weg plugin. However, this function is only available to premium members of Geocaching.com. To do this, click in the detailed view of the geocache on Geocaching.com on **Send to my GPS device**. A small window opens up in which you must then click on the **Falk** tab.

You must now first install the Falk Device Plugin. Via a link you are guided through to the product page for installation.
The download link can be called up there. Select **Save file to PC**. The installation is executed by double-clicking on the ".exe" file. After this, the browser needs to be closed again. With the retrieval of the geocache and **Send to my GPS device**, the drive can then be selected and the file can be transferred to the device.
Connect your device to the PC and select it in the list.
The **Transfer data** button is now active and can be utilised.

In addition, you also have the option of saving the data to an SD card. Connect a memory card to the computer via a card reader.
In the dropdown list, the SD card is then displayed to you as a drive and can be selected.

Once the transfer is complete, you can start your treasure hunt.

3.13.2 Search for geocaches

If you want to start a geocache, tap in the main menu on **Geocaching** and then on **Search for geocache**.
Then specify your desired search centre. The geocaches are then sorted according to their distance from this centre and displayed.
If you are looking for **All geocaches not found**, they are displayed to you sorted in alphabetical order.

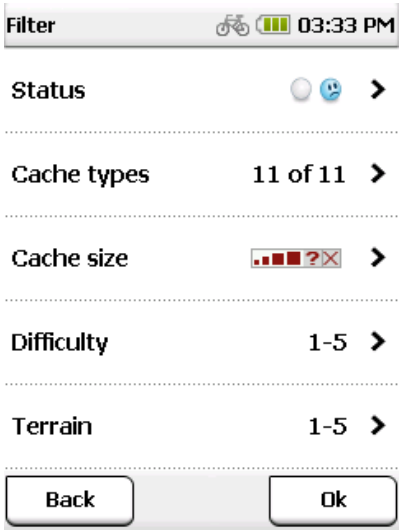
Once you have selected a geocache from the list, you can display the geocache on the map by clicking on the map, navigate to it directly by clicking on **Calculate** or call up the detailed view with a double-click.

3.13.2.1 Cache list

In the list view, all geocaches in the area surrounding your search centre are displayed to you. They are sorted by distance.
You can also search for cache names or cache codes (each geocache has a specific name and a unique code). To do this, start the search with **ABC** and enter the desired name or code.
You can also filter the geocaches according to specific criteria.

3.13.2.2 Filter

The **Filter** function allows you to filter out geocaches according to specific criteria.



Status - With this filter you can search for geocaches which are either **Unattempted, Not found** or where a **Repair is needed.**

Cache types - With this filter you can opt specifically for one cache type or for several cache types.

Cache size - With this filter you can decide what size the geocache should be.

Difficulty - With this filter you can decide how difficult it should be to find the desired cache.

Terrain - With this filter you can decide how big the terrain to contend with should be, or how physically strenuous it should be, to find this cache.

Note: The Falk LUX does not support Wherigo caches (GPS-based adventure games).

3.13.2.3 Detailed view

In the detailed view, you are shown information that exists and also offered the possibility to edit the geocache and comment on it.

Info - Shows you all the information that exists in relation to this geocache. This includes the description, the distance and all relevant details about the cache.

Map - Shows the cache and if applicable the waypoints on the map. You can zoom in and out of the map and move it around.

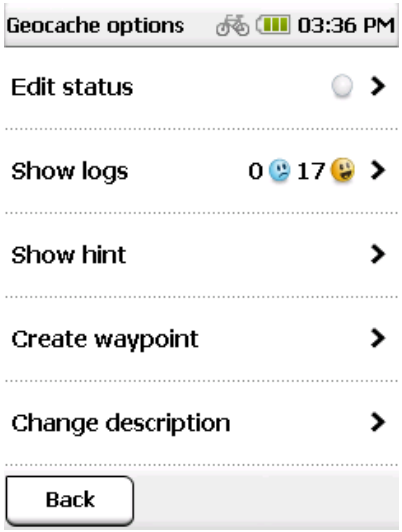
Waypoints - If your geocache has several specified waypoints, you can display them in a list. These waypoints serve as starting points, stages or car parks and are stored as additional information.
Note: In the case of multicaches (geocaches with several stations), it is advisable, in the waypoint list, to select and calculate the first station directly or alternatively the car park. The main coordinate for the multicache is often not important.

Picture - **Picture** allows you to view, if available, one or more images of the selected geocache.

You can read the full description of the cache using the two arrows at the bottom.
Options - Offers you various options for editing your cache.
Calculate - Starts the route calculation to this geocache.
Back - Switches back to the list of geocaches.

3.13.2.4 Options

In the options you can edit geocaches and obtain additional information.



Edit status - With the **Edit status** option, you can log your geocache as **Unattempted, Found** and **Not found**. In addition, you can also specify whether the cache needs to be repaired and you have the possibility of leaving a comment via **Next**. This status can be edited at any time.

Show logs - **Show logs** allows you to view comments left by other geocachers who have already searched for this geocache. Additional details such as **Found** or **Not found** are displayed. You too can also save logs in the community so that other geocachers who download this geocache can utilise your log to help them.

Show hint - You have the option to **Show hints** to make the search easier for you. These hints are already decrypted and can be used immediately provided that hints are available for the respective caches.

Create waypoint - Here you have the option of creating a geocache station yourself.

Change description - To edit the description for a geocache, select **Change description**.

3.13.2.5 Create waypoint

In the case of many multicaches (geocaches with several stations), you need to determine the coordinates of the next station yourself through puzzles or hints. To create the next station on your device, proceed as follows:

Tap on **Create waypoint** and then on the "plus" symbol to add a waypoint.
There you have the option of creating a waypoint **By coordinates**, by **Waypoint projection from your current location** or by **Waypoint projection from chosen waypoint**.
Projection from a specific point means that a new position, that is to say a waypoint, is determined by means of a bearing (in degrees) and distance from a specific position.

If you create a waypoint by coordinates, enter the coordinates of the new waypoint in the same way as you would enter a destination using.

With **Waypoint projection from your current location**, your location from which the new waypoint is determined is used.

Note: Make sure there is good GPS reception here to obtain an accurate result.
Then enter the bearing and the distance and confirm by tapping **Next**. Positional details and geocoordinates are output. Enter a name and save the waypoint projection by tapping on **Ok**.

If you would like to perform a projection from an existing waypoint (e.g. the multicache station which you have just reached), select **Waypoint projection from chosen waypoint** and mark the desired waypoint (if several exist).
Then click on **Next** and specify the bearing, that is to say the number of degrees, into which the waypoint should rotate and tap on Next. Specify the distance and if you wish change the **Unit** (km/m). If you then click on **Next** again, the entered values will be calculated for you and output in the form of geocoordinates and positional details.

New entry allows you to change the entries, **Map** allows you to display the calculated waypoint on the map and with **Ok** you can confirm the waypoint. Finally, you can specify a name for the waypoint and then save it. You can delete created waypoints again at any time via the rubbish bin symbol.

3.13.2.6 Change description

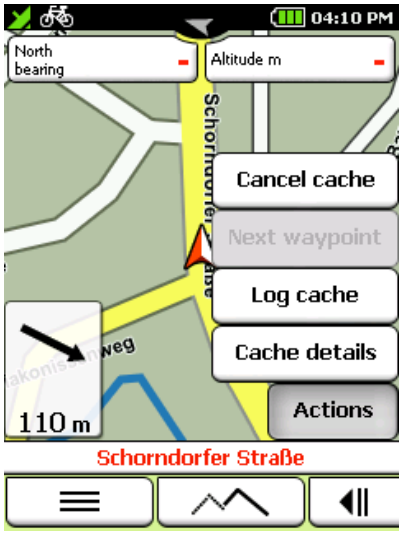
To edit the description for a geocache, select **Change description**. You can add additional information and delete or edit information which already exists. To restore the original description, use the **Reset** button.

3.13.3 Arrival at the geocache

When you arrive at the geocache, you should deactivate the setting **Position on street** (**Settings > Map display > Position on street**). In addition, you will receive a message when you start the geocache. The background to this is that, when this setting is activated, your position is compared with the road network. However, as geocaches are usually not on a road but are concealed in an area of woodland, bush etc., you are not guided to precisely this point. For this reason, when you arrive at the geocache, you should follow the message and deactivate the setting.

Note: After the geocaching, you should change this setting again for walking expeditions and bike rides.

Furthermore, the **Actions** button appears on your navigation screen. You now have the following options:



Cancel geocache– here you can abort the cache.
Next waypoint– **Next waypoint** allows you to start navigating to the next station if several waypoints exist for the cache.
Log geocache– here you can log the cache and leave a comment about the particular waypoint/geocache.
Geocache details– here you can display the geocache details in the general detailed view.

Note: You can view the details about the geocache at any time on the main menu under **Active route > Active geocache** or place this function on the rapid access menu (see chapter 3.10.3.10).

3.13.4 Delete geocache

Geocaches can be removed via the device or via the Falk Navi-Manager. To delete a geocache directly on the device, you must delete the corresponding file for the geocache in the GPX manager (see chapter 3.18). Or you can delete the geocache via the GPX import of the Falk Navi-Manager (see chapter 5)

3.13.5 Logging in the community

The final steps of geocaching are the logging of and commenting on the cache and the subsequent uploading of the saved data.

You can log and comment via the website Geocaching.com.
To do this, register at Geocaching.com and search for your geocache that you would like to comment on. Once you have found the cache, call up the detailed view and click on **Log your visit.**
If you now specify the type of log, you can also leave further comments.
If you have left a trackable in the geocache, specify this with the additional track number so that the cache owner and the other cachers are informed. If you take a trackable away with you, this should be logged. To do this, specify the code on the trackable and log the fact that it has been taken away.

You can make the logging process simple by means of a file which has saved all of your logs with comments. These log data, status and comments are saved in the file **geocache_visit.txt**.
When you call up the profile at Geocaching.com, the function **Manage your fieldnotes** can be called up. There you should call up the function **Upload my fieldnotes**. Then call up the **Falk** tab and follow the instructions. Then connect the device to the PC and click on the **Browse** button. Select the drive for the device and the **Navigator** folder and then the **GeocacheLogFile** folder. There you will find the file geocache-visit.txt. You can then select **Upload Field Notes** on the website. All logged geocaches are then listed.

Requirement: You need an existing profile.

3.13.6 Pocket query

Geocaching.com offers the possibility of creating pocket queries. A pocket query is a compiled file which consists of several filtered geocaches. On Geocaching.com you can compile these pocket queries yourself via filters, download them and transfer them to the device via the Falk Navi-Manager.
Note: Your Falk Navigator supports a pocket query with no more than 900 geocaches.

3.13.7 Found geocaches

Geocaches which you have already marked as found are stored under **Geocaches found**. Here you can find, view and edit all caches which have already been found.

3.13.8 Terminology and symbols

Geocaching - Is a kind of electronic treasure hunt or scavenger hunt in which you can find small pieces of treasure using published coordinates and waypoints.

Geocache - Is a small, usually waterproof container in which you will find objects to swap or a logbook. It is the ultimate target of the treasure hunt.

Log - By logging you can document the success or failure of your treasure hunt online. This allows other people and primarily the geocache owner to follow and track what is happening around the cache.

Trackable - The best-known trackables include the Travel Bugs. These are transported from one cache to the next and their journey is documented on a special website. In addition, they have a unique numerical combination for identification.

Geocoins - Geocoins perform the same role as Travel Bugs. They are tracked online and can travel around the world. Geocoins are often individually designed by geocachers and are also used as collectors' items.

Traditional Cache - Is a cache, consisting of a geocache and a logbook. Large cache containers normally contain trackables. Smaller cache containers usually only contain a logbook for you to make an entry in. You can find the exact location of the geocache by means of the coordinates for the cache.

Multi Cache - Contains several (multi)-positions. The geocache is situated at the final position. There are lots of different versions of multicaches, but usually the first cache position contains a clue as to the second position and the second position contains clues about the third, etc.

Mystery Cache - Is a puzzle which needs to be solved in order to decipher the coordinates. This cache does not fit into other cache categories and is usually a new and unique geocaching experience.

Letterbox Cache - Is another form of the treasure hunt in which clues are used instead of coordinates. In some cases, the letterbox owners link the geocache to clues and to coordinates which are published on Geocaching.com.
The stamp in the letterbox is not used as a trackable. Visitors can use this stamp to record their find.

Event Cache - Is a cache where several geocachers or geocaching organisations meet. On Event Cache sites, a time and coordinates where the event will be taking place are published. The cache is archived after this event.

Megaevent Cache - Is an event cache in which over 500 people from all different places participate. Megaevents offer geocachers one or more days on which they can plan activities.

CITO-Event Cache - CITO means **C**ache **I**n **T**rash **O**ut and is an environmentally friendly initiative by global geocaching communities. Geocachers have been meeting since 2002 to clean up parks or geocache-friendly places all over the world.

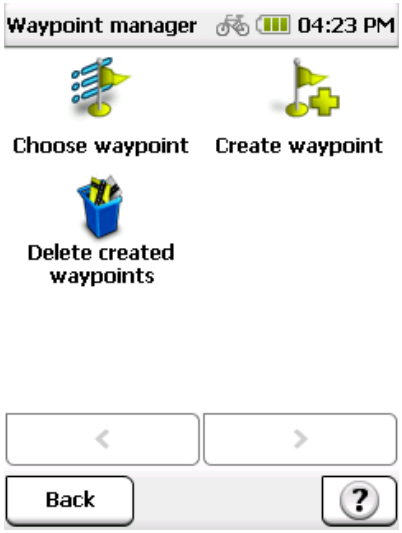
Earth-Cache - Is a special place which people can visit to learn more about unique geoscience features in the world.
Earth Cache sites contain a series of informative notices with cache coordinates.
Earth Cache visitors learn how our planet has been shaped by geological processes, how we manage our resources and how scientists are gathering evidence to learn more about the Earth.

Wherigo Cache - Is a kind of GPS-based adventure game played in reality. A Wherigo Cache makes it possible to interact with a virtual element such as an object or a character during the search for the geocache or at the cache. Wherigo Caches can be displayed by the device, but not used.

Virtuell Cache - Is a cache in which the intention is to find a place rather than a container. To log the Virtual Cache, it may be necessary to answer a question about the place, take a photo, perform a task etc. In some cases, you need to have reached the coordinates in order to log the cache.

Webcam Cache - Is a cache in which webcams are placed in areas such as parks or other cache territories. The idea behind this is to be photographed by this webcam in order in this way to log the cache in the community.

3.14 Waypoint manager



Here it is possible to select, create and delete waypoints.

3.14.1 Choose waypoint

If you want to navigate to a waypoint, tap on **Choose waypoint**. Then specify the search centre you want. The waypoints will then be displayed, sorted by their distance from this centre.
Alternatively, you can tap on **Show all waypoints**. All waypoints will then be displayed sorted in alphabetical order.

Once you have selected a waypoint from the list, you can display the waypoint on the map by clicking on **Map**, navigate there directly by clicking on **Calculate** or call up the detailed view with a double-click.

The detailed view offers similar possibilities to the detailed view for a point of interest. (see chapter 3.4.5).

3.14.2 Create waypoint

You have various possible options for creating a waypoint.

You can:
Use your Current location, enter an Address, select a Position on map, use a previous Destination, enter Coordinates or select a Point of Interest.

Once the destination has been defined, you are asked to enter a name for the new waypoint. In the row for the name, initially the address or the geocoordinates of the waypoint are automatically displayed. However, it is advisable to assign an appropriate name to each waypoint, particularly if several waypoints have already been created.
You can change the name by pressing the back button for a long time and entering another name.
Confirm the name with **Ok** and the waypoint is then saved.

3.14.3 Delete created waypoints

To delete a waypoint that you have created yourself, tap on **Delete created waypoints**.
One or several waypoints can then be marked from the complete list and deleted by clicking on **Ok**.

Note: Imported waypoints can be deleted by deleting the corresponding GPX file in the GPX manager (see chapter 3.18).

3.15 Track manager

You can use the track manager to record a new track, start an existing track, or delete or edit tracks. To do this, click in the main menu on **Track manager**.

3.15.1 Track selection

In the track selection, you can choose between the tracks that you have record ed and the tracks that have been transferred via the GPX manager.

3.15.2 Recorded tracks

Tracks that have already been recorded are shown in the list. Here you can already learn the first few details about the recorded track:

distance between start and finish

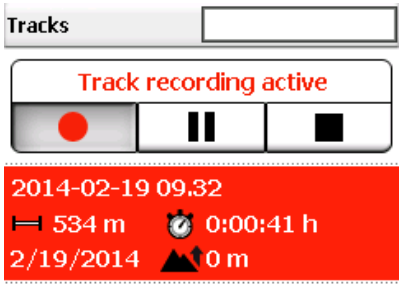
duration of the track

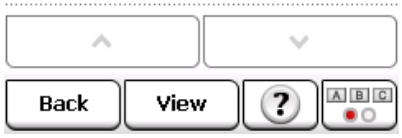
height difference

and the date of the track recording

3.15.2.1 Record tracks

You can record the route that you are riding or walking along. This track recording will help you to be able to retrace the route you have ridden or walked precisely at a later date. After the recording, the track can be displayed on the map and the altitude profile can be viewed. Further information such as the starting and end position, distance and the height gain or loss can then likewise be displayed.





You have two possible options for starting the track recording:

Via the rapid access menu and

or by clicking the Record button in the **Track manager**.

The recording can be interrupted at any time if, for example, you take a break. To do this, tap on the Pause button oder im or in the rapid access menu tap again on .To continue, tap again on the Record button or in the rapid access menu tap again on .

To end the recording and to save the track, tap on the Stop button or in the rapid access menu press down on .

You will then be asked to specify the name for the track. In the line for the name, initially the date and the time of the recording are displayed. The track can be saved under this designation. Or you can delete the name line and enter your own name for the track.

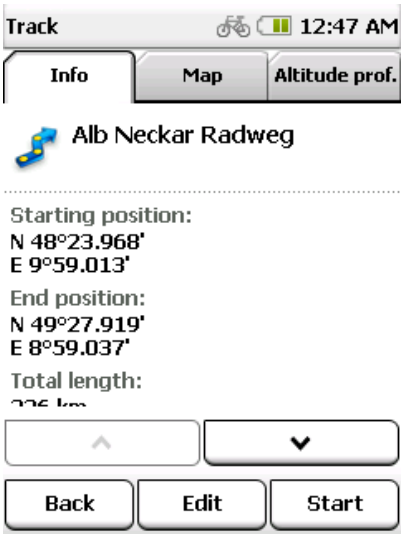
Note: It is advisable to enter a recognisable name for tracks so that you can find them more easily at a later date if several tracks are saved on the device.
Tip: If you frequently use track recording, you can also place this function on the control button (hardware button) (see chapter 3.10.3.11).

3.15.3 Transferred tracks

Here it is possible to rate tracks which were previously transferred to your device using the GPX manager. Which values are displayed here depends on the data in the transferred route.

3.15.4 Detailed view of a track

To select an existing track, tap in the list on the track you want and then on **View**.



Info - Displays all the information about the track.

Map - Displays the track on the map. You can zoom in and out and move the map. If you click on **Position**, you can show or hide your current position on the map.

Altitude profile - Displays the altitude profile for the track.

Tap on **Start** to start the track navigation.
If you want to edit the track further, tap on **Edit**.

3.15.4.1 Edit track

To edit a track, tap in the detailed view on **Edit**.

The following options are available to you:

Reverse track – Switches the direction of travel of the track. This also allows you to find your way back to the starting point of a track.

Edit name – Here you can change the name of the track.

Delete track – Deletes the track from the device.

3.15.4.2 Start track

When you start a track, you have the possibility of deciding whether you want to start the track directly or would like to convert the track into a route in order to obtain turn-off instructions.

Convert track to route to obtain turn-by-turn instructions

The **Convert track to route to obtain turn-by-turn instructions** function calculates a route which is as similar as possible to the original track.
In addition, in contrast to standard track navigation, you then get spoken instructions which guide you with turn-off instructions. In addition, you are shown the arrival time and the real distance.

Note: If road segments do not exist in the map material or sections of road are avoided by the route options which are set, the alternative route will make an appropriate detour.

The calculated alternative route is compared with the original track so that you have the option to decide for yourself which version of the route you would like to use.

Start track guidance directly

Start track guidance directly starts the track without any changes. You are given directional instructions on the map view, but no spoken instructions relating to turns or distances. Tap on **Ok**.

You can now decide whether, taking account of your current position, you would like to be guided to the starting point of the track or to the nearest point on the track.

Set track start point

If you have selected **Convert track to route to obtain turn-by-turn instructions**, initially the route is calculated and displayed on the map.
By clicking on **Route** or **Track** you can switch back and forth between the track and the route on the map view.
The chequered flag shows the end point of the track.

To start routing using the alternative route, select **Route** and tap on **Ok**. To retain the original track and start the track guidance without any turn-off instructions, select **Track** and tap on **Ok**.

You can now decide whether, taking account of your current position, you would like to be guided to the starting point of the track or to the nearest point on the track.

3.16 Travel Guide

The Travel Guide is the multimedia electronic travel guide in your Falk Navigator. With it you can discover romantic squares, cosy cafés, the finest delicatessens and everything else a town or city has to offer. As well as information in lots of different theme categories, you have access to highlights and Insider Tips from the MARCO POLO Travel Guides. With preinstalled, detailed MARCO POLO Travel Guide content from hundreds of cities and hundreds of thousands of POIs (**P**oints **o**f **I**nterest), in some cases with explanatory text and pictures, the Travel Guide is not just the perfect travel companion but is also a guide that will take you to see exceptional sights.
The following chapters describe how in the Travel Guide you can search specifically for tourist destinations, add, rate and swap new destinations and thus obtain the travel information you want for your destination.

3.16.1 Stipulate a search centre

You must first stipulate a search centre. The structure of the Travel Guide is described in the following chapters so that you can search for specific tourist destinations or simply browse and find out more about the tourist attractions which are of interest to you.
You can stipulate your current **location**, a **destination** that you are currently navigating to (if you are navigating to a destination), a **city** centre, **coordinates** or a destination close to your **home** address as your search centre, or you can simply open one from the **Previous Travel Guides** which you called up previously at an earlier point in time.
If your starting point is your current **location**, it is important that the navigation system has noted your current GPS position. If this is not the case, a map view opens up. You will see the last saved location on the map view. There you should tap on the **Update** button and your current position is newly recorded. If the position shown matches your current location, tap on **Ok**.
If you would like to create a Travel Guide for an address (**current destination**) or a **city**

centre, you will be asked to enter the address or the city name via the keypad.
Recent Travel Guides are displayed in a list. You can use the arrow keys to scroll back and forth between the recent positions. Tapping on an entry will select it and, if you click on the **Ok** button, it will be set as the search centre.
After the search centre has been stipulated, the screen switches to a view of all available theme categories.

3.16.2 Travel Guide theme category

Travel Guide destinations (POIs) are sorted according to specific themes. Each theme is identified by a symbol. As a result, you can see at a glance the content of a particular theme. Depending on where you have stipulated the central point for your search, all theme categories or only certain theme categories will be available to you. If the central point for your search is in a large city such as Berlin, you are certain to find destinations as well as additional information in all theme categories. If your search is centred on a smaller settlement or a rural area, only those theme categories for which Travel Guide destinations are available will be displayed. If no destinations are available for a particular theme category, this category will not be displayed on the screen.
You can select a theme category by tapping on it.

Top Highlights – Shows you the highlights from all categories for the chosen region
Places of Interest – Buildings or institutions which are particularly worth seeing.
Museums – Museums and exhibitions.
Food & Drink – Restaurants, cafés etc.
Shopping – Everything you need to know about shopping.
Overnight accommodation – Hotels, motels, hostels etc.
Exhibitions & Transport – Exhibition centres, railway stations etc.
Art & Culture – Cultural institutions, galleries etc.
In the evening – Bars & lounges, cafés, casinos, discos etc.
All categories – Accesses all available points of interest.

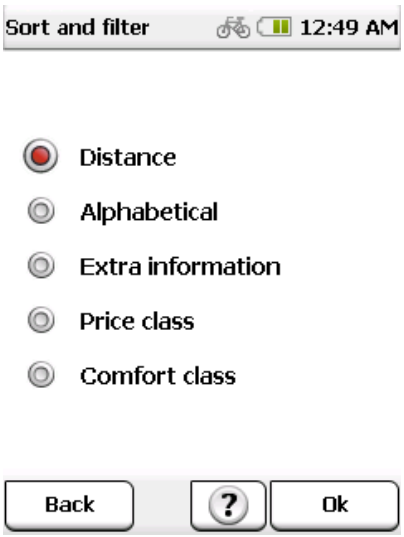
For many of the categories, further subcategories are available allowing you to refine your search.
For all categories, there are the Highlights and Marco Polo Insider Tips.

All of the destinations available for your search centre are shown in a list and are sorted according to distance. Destinations which are closest to the central point for your search appear first in the list.

Note: The distances in the POI list indicate the distance to the destination as the crow flies. The exact distance to be covered is not determined until the route is calculated.

Note: The Top Highlights category contains general destinations which can be found in other theme categories as well.

3.16.3 Sorting additional information



You also have the option of changing the way in which the entries in the list are sorted or filtering the data. To do this, tap on the **Sort** button at the top of the screen.
The POIs are displayed as standard sorted according to their distance from the search centre.

Note: Some options for sorting and filtering are only available for certain categories.
If you tap on the Alphabetical button, the entries found (POIs) will be sorted into **Alphabetical** order. You can also filter the entries according to the amount of **extra information** which is available. The entries for which additional information (e.g. descriptions) as well as the standard information (name and address) is available are shown. If you tap on **Price class**, the entries are sorted according to the price class (e.g. for hotels and restaurants: "cheap" (€), "average" (€€), "upmarket" (€€€) class). If you tap on **Comfort class** (for the Overnight accommodation category), the entries are sorted according to the traditional hotel rating system (1 to 5 stars). If you tap on **Rating**, the entries (POIs) are sorted starting with the highest rating (if ratings exist).

3.16.4 Detailed view of a POI

What could be better than to find out about travel destinations in advance and then to experience everything an unfamiliar town or city has to offer?
If you have already selected one or more POI categories from a Travel Guide compilation or POI search, would you now like to view individual entries in the list in greater detail? Select a list entry, this will be marked with a coloured background. If you tap on it again, you will get to the detailed view.
A travel destination generally features basic information such as an address and telephone number. Pictures and/or more detailed descriptive texts are also available for a number of entries. Comprehensive descriptive texts (in German only) taken from the MARCO POLO Travel Guides are available in particular for the **Top Highlights**.
The detailed view offers you all of the information available for the chosen point of interest at a glance.

In the POI detailed view, the following functions are available to you via the tabs at the top:

Info - Displays the address and the descriptive text for the chosen point of interest.
Map - Shows the location of the point of interest on the map.
Picture - Shows a picture of the point of interest. You can increase or reduce the size of the picture using the plus and minus buttons.
Options - The following functions are available to you under Options:

Search for POI around POI - Here you can search for another POI around the current POI (if for example you would like to find a restaurant near to the current POI).
Enter rating - Here you can enter your own personal rating for the POI. You can award one to five stars.
Save POI as waypoint - Here you can report an error in relation to the point of interest (if for example the address stored is incorrect). The details are entered in the same way as reporting a **Map error** (see chapter 3.19).

Note: Not all of the functions and information described here are available for each point of interest. If an option is not available, the corresponding button will be inactive or will not be shown on the screen.

If it exists, the following information is displayed in the top section of the detailed view:
- The distance from the search centre
- Your rating (and, if you make use of the community link, the community rating)
- With restaurants, if one exists, the price class: €€€ = upmarket price class, €€ = average price class, € = cheap price class.
- With hotels, if one exists, the comfort class: One star to five stars.

3.17 Bus & train transport planner

The public transport connection planner allows you to plan a connection using public transport.
Tap in the menu on **Bus & train transport planer**.

If you then tap on **Start**, you can select a station/stop using various search criteria, e.g. **Around location**.
You will then be shown a list of possible stations/stops sorted around your current location.
Further search criteria are: **In city**, **Around address**, **Around home**, **From map**, **With POI** and **Around current destination**.

In a next step, you can select a station/stop and tap on **Ok**.
Select a destination station/stop in the same way and then once again tap on **Ok**.
The connection between the two chosen stations/stops is shown.

All of the information relating to the connection is shown on the connection overview.
As well as the departure and destination station/stop, the changeover stations/stops are also shown, as well as the number of stations/stops for the sections that are passed, and the length of the journey in each case.
At the bottom under "Overall connection" you will see the total number of changes and the total duration of the connection.
You can view the entire connection on the map using the **Map** button.

If you tap on **Calculate**, you can navigate to the departure station/stop or, if you are already there, get onto the bus & train.

Note: If you want to integrate a public transport connection into a navigation from a starting point to a destination point, instead of just calculating a connection between two stations/stops, you can do this on the destination entry screen once the route has been calculated (see chapter 3.5.5) or plan a tour by public transport in the **Tour planner** (see chapter 3.7.1).

3.18 GPX manager

The GPX manager contains all of the GPX files that are located on your device. These can be either tracks that you have recorded yourself or imported GPX files. Here you can also delete imported GPX files from the device.

Note: The imported files may contain tracks, tours and waypoints.

They are also displayed in each case in the track manager and waypoint manager.
Caution: When you delete a GPX file, all of the elements contained (tracks, tours and/or waypoints) are deleted.

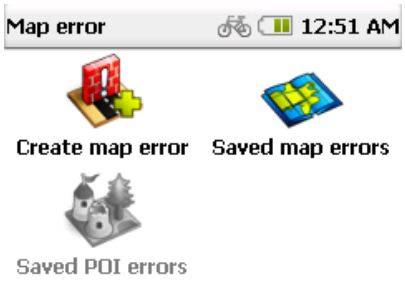
Tip: If you want to delete a GPX file, but would like to keep a waypoint from it, simply save the waypoint under a different name before you delete the GPX file.

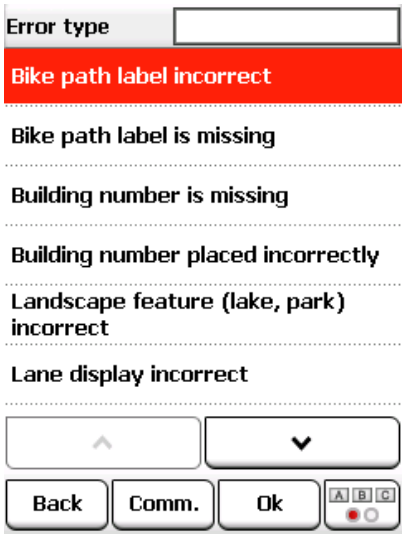
3.19 Map errors

The Falk Navigator allows you to report map errors and thus help to improve the quality and relevance of the maps and the points of interest.
You can then transfer the map errors which you have created yourself to Falk via the Falk Navi-Manager.
You can create map errors on the menu or record them directly while you are travelling and then edit them at a later date.

3.19.1 Create map error on the menu

Tap in the menu on **Map error**.
Here you can create new map errors as well as view map errors or POI errors which have already been saved.
Tap on **Create map error** to record a new map error.
You can also enter an address or mark a position on the map.
Confirm your selection with **Ok**.





In a second step, you should select the type of error.
You can then also add a comment about the map error recorded in order to describe the error in greater detail or to record additional information.

Note: Please always leave a comment if you have selected **Other** as the error type.

3.19.2 Create map error while travelling

If you discover an error in the maps while you are out and about, you can also record this quickly and easily while you are travelling.
To do this, go to **Report map error** on the rapid access menu on the navigation view. Your current position is used as the error location. However, you can also change this at a later date.
You should then select the type of error and click on **Ok**.

Note: All created map errors can be edited and changed afterwards.

3.19.3 Create POI error

If you notice an error with a point of interest, you can also record this. In the detailed view for a point of interest, you will find all of the information for this destination.
To create an error for this point of interest, tap on the **Options** tab at the top and then on **Report error**. You can then select an error type from the list and, if you wish, enter a comment about it (**Comment**).
Confirm your selection with **Ok**.

3.19.4 Edit map and POI errors

If you want to change a map or POI error that you have created, tap under **Map errors** on **Saved map errors** or on **Saved POI errors** depending on which error you would like to edit. On the map view you will then see all of the map and POI errors which you have created. You can use the arrows at the bottom to switch back and forth between the errors.

Select the error that you would like to change and tap on **Edit**.
You have the following possible options for editing the error:
Correct position on map - Here you can change the position of the error if it was not entered correctly.
Correct error type - Here you can change the type of error.
Delete - Here you can delete errors that have been entered.
Change comment - If you would like to change your comment about the recorded error or would like to enter a comment at a later date, you can do this here.
POI details (only for POI errors) - Here you can once again view the information about the POI for which you have created an error.

3.20 Help

Help takes you to the online help containing brief operating instructions for your navigation system. On each screen on which you see the ? symbol, you can tap on it and you will be guided directly to the chapter in the **Help** section which deals with the corresponding topic. This allows you to find an explanation about the respective function quickly in lots of different contexts.

4 Tips and tricks

Here you will find a number of tips and tricks that will help you to handle the device.

- These buttons allow you in many contexts to switch between the input view and the list view. In the list view, you will see all of the entries which match your previous input. This means you can find what you are looking for even faster.

Scrolling - In list views, you can move the continuous text up and down directly with your finger.

Hide all - On the navigation view screen, you can hide all elements if you hold down the menu button for a long time. Pressing on it again for a while or switching to the menu will restore the normal view again.

Map zooming - Zooming in and out of the map helps in many situations. If you want to move the map a large amount, first zoom out. You can then move the map over greater distances more quickly. Zoom in on the map (e.g. in the view of the calculated route) to identify more details.

Set rapid access - You can adapt the rapid access menu on the navigation view screen to cater for your needs (see chapter 3.10.3.10). This allows you to always quickly select the functions which you use most frequently.

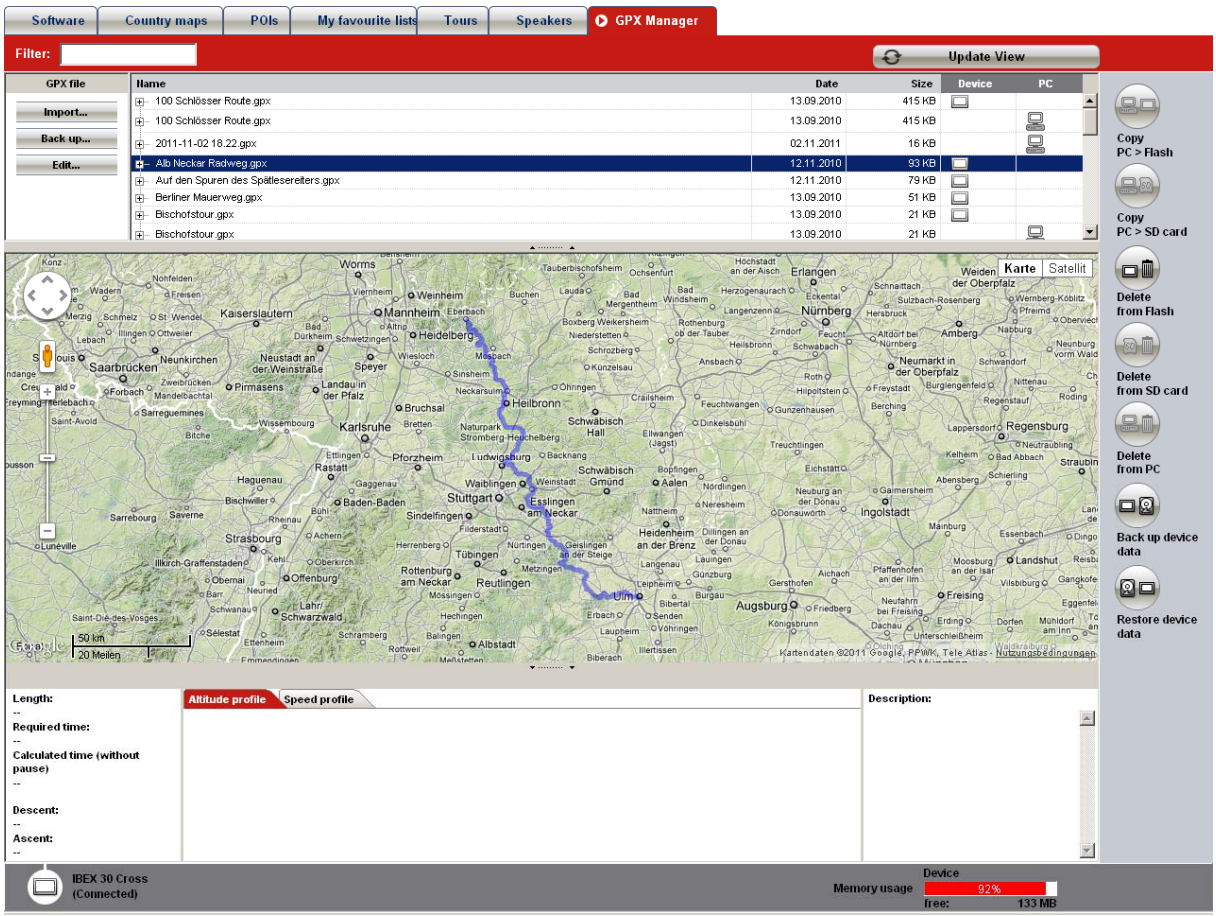
Save power – You can save power and thus increase the operating life if you switch the device to stand-by mode when you are not actually using it. In addition, you can set the brightness of the screen and the volume to a relatively low level to save power.

5 Introduction to the Falk Navi-Manager

You must first install the Falk Navi-Manager on your PC. To do this, you must first download the program from the internet.
You will find the Navi-Manager on **http://www.falk-outdoor.com/en/service-en/falk-navi-manager.html**. After download is complete, double-click on the file **setup.exe** and then follow the instructions given by the installation wizard.
Now connect your navigation device to your PC via the USB cable.
To start the Falk Navi-Manager, click on the Windows Start menu: Start/Programs/Falk/Navi-Manager or if necessary on the Falk Navi-Manager icon which was placed on your desktop when installation took place. The Falk Navi-Manager then opens up.

5.1 Import of GPX files

GPX is the most common file format for saving tracks, geocaches and waypoints. There are numerous portals and providers on the internet that offer tracks to download. If they are in GPX format, they can easily be transferred to your device and utilised. To transfer GPX files from a portal to your device, you must first save them on your PC.
Then choose "GPX Manager" at the top in the Falk Navi-Manager.
The GPX manager shows all GPX files on the PC or on the device in a list.



You then have the following possible options:
Back up to PC - The selected GPX file from one of the two windows can be saved to a freely selectable directory on the PC.
Delete - Deletes the selected GPX file from the device.
Import - Imports a GPX file from a PC to your device. To be able to manage the GPX files,

the files to be imported must first be imported to the Navi-Manager.
Update - Updates the content of the windows if, for example, you have imported a GPX file again.
You can display your waypoints, tracks and geocaches on the map.
Altitude and speed profiles and the time required for the tracks can be called up.

Transfer and save GPX files to the PC
To save imported GPX files and GPX files you have created yourself to the computer, proceed as follows:
1. Select the file you want and use the Save button.
2. Once you have acknowledged the notice about the intended storage location with OK, two entries will appear in your list. There is an entry for the GPX file on your navigation device and an entry for the GPX file on your computer.
3. To find the file you want again on your PC, mark the file and, by clicking the right mouse button, call up the menu item Show folder. The folder in which the GPX file has been saved is automatically opened.

Delete GPX files from the navigation device
To delete recorded or imported GPX files from your navigation device, please perform the following steps:
1. Select the file you want and use the **Delete from Flash** button in the function bar on the right.
2. Confirm the notice with **Yes** to remove the file.

Import GPX files from your PC to the navigation device
To import downloaded GPX files to your navigation device, please perform the following steps:
1. Select the button **Import**.
2. Search for the file you want on your PC, select it and use the button **Open**.
3. The file has now been imported to the GPX manager and can now be saved on the navigation device.
4. Mark the file you want and choose Copy **PC > Flash** in the bar on the right.
The GPX file is now saved on your navigation device and can be used.

Edit GPX files
To edit the name or the description of tracks or waypoints, proceed as follows:
1. Select the element you want and use the button **Edit**.
2. A window will open up in which you can change the name and description as you wish.

GPX files on the map view
In the GPX manager, you can display waypoints, tracks and geocaches that you have created yourself. The map can be moved using the arrows and the hand icon. The zoom level of the map can be changed with "+" and "-". Viewing options such as satellite and map are located at the top right-hand edge of the map view screen.
In the bottom section of the GPX manager, you can display the altitude and speed profiles, length, time and description of tracks and waypoints. If no information exists in relation to this, the detailed view remains empty at this point.
If no actually required time exists, the anticipated required time is calculated based on the average speeds for cyclists and pedestrians which exist in the navigation device.

5.2 Transfer of content

All of the available data is summarised in various categories. In the top section of the screen interface, the categories Country maps, POIs, My favourite lists, Speakers, Software and Raster maps (optional) are presented in the form of tabs.
When you click on the tab you have selected, all of the data in this category is presented in list form in the overview.
Thanks to row headings and corresponding icons, you can tell from the overview where the individual data for the various categories is saved. The data may be stored

in the internal memory of the navigation device,
on the SD card,
on the PC,
on CD/DVD or
on an internet server.

Important: An active internet connection must exist to enable downloading from the internet.

Copying or deleting:
The selected data is copied from the PC to the SD card.
The selected data is copied from the PC to the internal memory of your device.
The selected data is deleted from the internal memory.
The selected data is deleted from the SD card.
The selected data is deleted from your PC.

Please note that the memory capacity of the internal memory is limited. The capacity utilisation of the internal memory is displayed on the bar at the bottom of the screen.

5.2.1 Import of POIs

On Falk.de, Google Earth and lots of other websites a large number of points of interest (POIs) are available for you to download. If these POIs exist in a KML or KMZ format, you can transfer them to your navigation device via the KML import plugin of the Falk Navi-Manager.
Visit the corresponding website from which you want to download the KML files, e.g. www.falk.de.

KMZ/KML files from Google Earth
You will also find lots of interesting POIs on Google Earth. The following section describes how you can incorporate several POIs as a new POI category.

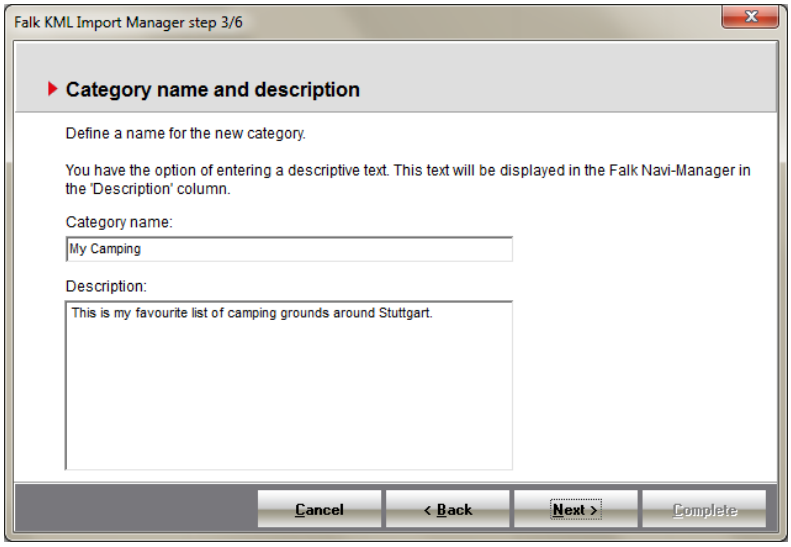
Note: Falk has no influence over functions of Google Earth which are described in the instructions. There may therefore be changes to the sequence which is described.
Start the program Google Earth.
Enter a city and a subject theme in the search box at the top left (e.g. "Stuttgart" and "Museums").
Selection of the POIs which are to be adopted:
You can adopt blocks of POIs by using the umbrella term (e.g. "Museums (1 – 10)") by clicking on the right mouse button and then selecting the menu item **Save under "My Places"**.
You can adopt individual POIs by clicking on the right mouse button and then selecting the

menu item **Save under "My Places"**.
The selected POIs are displayed under **My Places**.
Further POIs, including those from other cities, can now also be added to **My Places** in the manner described above.
Click on the **My Places** item with the right mouse button and select the menu item **Save As**.
The file can now be saved on the PC as a KMZ file.

KML/KMZ import in the Falk Navi-Manager

The following text describes how KML and KMZ files can be imported to the sat nav via the Falk Navi-Manager.
Start the Navi-Manager. On the Navi-Manager screen interface in the menu bar under **Plugins**, call up the menu item **KML Import Plugin**.
Here you will then see the window for the import wizard. You can acknowledge this with the **Next** button. With the aid of the **Select** button, you can select the KML or KMZ file on your PC which you would like to transfer to your navigation device. Once you have selected a file, a list of the POIs in it appears beneath it. Press the **Next** button.

In the next window, you must assign an individual category name for your POI category. You also have the option here of providing more details about the particular POI category. Once you have provided the POI category with a name and the information you want, confirm your entries again with the **Next** button.
In the next step, you have the option of selecting an icon to be displayed on the map with the respective POIs. A small selection of icons are suggested for you.



However, you can also select your own icon (if one exists) from your PC. This icon should have a resolution of 72 dpi and the image size 16x16 pixels.
Finally, confirm your entry again with the **Next** button. If you do not specify your own icon, the default icon shown will be used for displaying the POI on the map.
The final window once again summarises the information for the POI category which is to be imported. When you press the **Complete** button, you start the conversion process (the KML file is converted into the Falk format).
Note: The conversion may take a little time.
The converted POI category appears automatically after a few seconds under the **My favourites** tab. The POI category is now located on the PC. To transfer the POI category to the navigation device, you must click on the right-hand side of the window on the button Copy **PC > Flash** or Copy **PC > SD** card.
Following successful transfer, your own POI category is available on the navigation device for further use, e.g. for radius searches or navigation operations.

Note: The POIs which are imported via the KML import plugin cannot be rated on the navigation device.

6 Troubleshooting

Problem	Possible cause	Solution
Navigation device does not start up	Battery capacity too low	Connect the device to a suitable power source or replace the batteries. If the device is not being used for a prolonged period, please switch it off entirely. Press the power button and tap on "Switch off".
No GPS reception / GPS reception is interrupted	GPS reception may be interfered with in forests, when you are surrounded by tall buildings, where there is heavy cloud cover etc.	Reposition the navigation device if necessary. At least 4 satellites are required for navigation. This information can be retrieved on the device under "Settings" > "System / General" > "GPS Info".
Device no longer responds to entries	Occasionally, overloading may result in the device no longer responding	Carry out a hard reset by holding down the power button for around 3 seconds. The device then switches off entirely.
Compass does not align itself correctly	The compass should be regularly calibrated	Recalibrate the compass.
	There are sources of interference in the immediate vicinity	Make sure that there are no sources of interference such as magnets or high-voltage power lines close by.
Barometer values are not correct	The barometer should be regularly calibrated	When there are breaks in the weather or you experience great gains or losses of altitude, you should calibrate the barometer several times a day.
The destination you are searching for cannot be entered	The corresponding country map may not be available	Please check whether the corresponding detailed map is included with the product or is already preinstalled. Please use the Navi-Manager for any possible installation that may be required.
The track includes jumps in altitude	The barometer was not calibrated prior to the start of the track recording.	It is recommended that you calibrate the barometer manually, by entering an altitude, in particular before recording a track.

7 Service & support

To provide optimum support to customers, Falk has set up a service centre which handles all warranty claims and repairs.

If you have any questions about the guarantee and warranty, please feel free to contact the technical hotline:

+49 1805 – 003233
(€ 0.14 / min. from a German landline, mobile phone prices may vary, max. € 0.42 / min.)

http://www.falk-outdoor.com/en/service-en/contact/contact-form.html

In the event of a technical defect within the guarantee period, you can also register the device for a free repair on the following website:

http://www.falk-outdoor.com/en/service-en/guarantee-processing.html

Scope and duration of the warranty
United Navigation GmbH guarantees, for a period of 24 months (battery 6 months) from the purchase date, that at the point in time of the transfer of risk the product is free of any material defects and defects of title in accordance with Sections 434, 435 of the German Civil Code. If a product which is supplied has evident material or manufacturing defects, which also include damage caused during transportation, the defect must be complained about immediately.
In other respects, the statutory regulations pursuant to Sections 434 ff., 475 para. 1 of the German Civil Code apply.
Proof of purchase is required to make a claim under the guarantee.
The gurantee does not cover defects which have been caused by improper maintenance, unauthorised attempts to open, repair and/or modify the product or its parts, inappropriate installation, use of software added by the customer, viruses, causes outside of the scope of the intended uses which are envisaged, accidents, fire, lightning, power cuts and/or natural disasters as well as similar causes. This guarantee shall further lapse in the event of any attempted or completed alteration or repair to the product by unauthorised people, removal or alteration of the device's serial number.

8 Glossary

Barometer - A barometer is a measuring device used to measure atmospheric pressure. The barometer is used to calculate the current height and is shown on the trip computer.

Button - Buttons which are shown on the screen. These many be menu items or command buttons (**Ok**, **Cancel** etc.). Buttons can be operated by tapping on them.

Compass - A compass is a measuring instrument for determining the cardinal direction. The compass icon on the navigation view screen shows you the north bearing. If you display the compass in a large-scale view via the rapid access menu, the entire map is orientated in the direction you are looking.

Coordinates - With the aid of coordinates, positions can be determined precisely. This makes sense in particular in open terrain away from roads. Normally, coordinates are specified with the degree of latitude and longitude.

Geocache - Is a small, usually waterproof container in which you will find objects to swap or a logbook. It is the ultimate aim of the hunt for treasure.

Geocaching - Is a kind of electronic treasure hunt or scavenger hunt in which you can find small caches of treasure using published coordinates and waypoints.

Geocoin - Geocoins perform the same role as Travel Bugs. They are tracked online and can travel around the world. Geocoins are often individually designed by geocachers and are also used as collectors' items.

GPS - The Global Positioning System is a satellite-based system for global positioning. Your location can be pinpointed using the conventional GPS satellite system to within 20 metres at any time – provided that a GPS signal is being received.

GPX file - The most common file format for saving tracks or waypoints is the GPX format. The files are saved in the GPX manager. However, the tracks or waypoints they contain are also displayed in the track manager or waypoint manager.

Note: To delete imported waypoints, the corresponding GPX file must be deleted.

Log of a geocache - By logging you can document the success or failure of your treasure hunt online. This allows other people and primarily the geocache owner to follow and track what is happening around the cache.

Log of a peak - By logging a peak, you can document the success of climbing a peak online.

microSD card - You can increase the memory capacity of your device if you use a microSD card. microSD cards with a memory of up to 16 GB can be used (including SDHC). To insert the card into the device, see Chap. 1. Data can be transferred to the SD card using the Falk Navi-Manager (see chapter 5).

Peakhunter - Peakhunter is a kind of virtual peak guestbook in which you can make an entry when you reach a peak. Furthermore, you can navigate to the peaks which are already preinstalled or create new peaks.

Point of interest - A point of interest (POI) is an address or position of special interest such as restaurants, interesting sights, museums and many more besides.
The points of interest on your device are divided up into various categories to make it easier to search for specific destinations.

Tour - Tours are the linking together of waypoints, favourite locations or other destinations in a defined sequence. However, the route between the individual waypoints is not precisely defined, as as the case with tracks.

Track - A track is a route which is precisely defined (with the aid of coordinates placed close to one another which are connected to form a line). This can be displayed on the map so that you can travel along it. Tracks can also be recorded with the device. In track navigation, no turn-offs are displayed or spoken announcements issued.

Trackable - The best-known trackables include the Travel Bugs. These are transported from one cache to the next and their journey is documented on a special website. In addition, they have a unique numerical combination for identification.

Trip computer - The trip computer is the ingenious information and statistics hub in your Falk Navigator. Data relating to the current route but also barometer figures (atmospheric pressure, altitude) as well as astronomical figures (sunrise and sunset, lunar phase) can be called up.

Waypoint - A waypoint is a geoposition saved as a pair of coordinates (geographical latitude and longitude) in open terrain. A waypoint can be any point in the countryside, e.g. a branch on a path, a hut, or any desired POI (picturesque point in the countryside, viewing point or interesting sight). Each waypoint can be selected as a destination.